

19980826.qrp v01_n195.qrs.980826

Date: Wed, 26 Aug 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1195

QRP-L Digest 1195

Topics covered in this issue include:

- 1) [18404] HW-8 Power Mod. Question
by "Robert H. Sorge" <rsorge@phoenix.net>
- 2) [18405] Ladderline/end/center insulators.
by Ed Loranger <we6w@qsl.net>
- 3) [18406] Re: Ladderline/end/center insulators.
by Ed Loranger <we6w@qsl.net>
- 4) [18407] SUN went nuts/MAJOR STORM
by Paul Harden <pharden@aoc.nrao.edu>
- 5) [18408]
by "Tim Hynde" <hynde@flash.net>
- 6) [18409] DK3 Group Buy
by rhiller@sysdev.com (Rick Hiller)
- 7) [18410] Re: Copying Code
by Danh Le <dql@slip.net>
- 8) [18411] Re: Copying Code
by Danh Le <dql@slip.net>
- 9) [18412] W6AWO OTA From Burning Man
by Dick Dillman <ddillman@igc.apc.org>
- 10) [18413] Re: Copying Code
by Monte Stark <ku7y@dri.edu>
- 11) [18414] FS: 10 Meter AM/SSB Projects
by k7sz@juno.com (Rick Arland)
- 12) [18415] head copy
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 13) [18416] Roy Gregson es EMTECH - Thanks
by "Richard H. Neindorff" <rneindorff@worldnet.att.net>
- 14) [18417] Re: Copying Code
by wd3p@juno.com (Larry Cahoon)
- 15) [18418] Shareware Page
by "Ron Polityka" <wb3aal@talon.net>
- 16) [18419] Re: Roy Gregson es EMTECH - Thanks
by Kory Hamzeh <kory@avatar.com>
- 17) [18420] re: MFJ-249 AS A SIGNAL SOURCE
by "j.w. thornton" <dub@oklahoma.net>
- 18) [18421] 80m cw wasteland
by "K. Babcock" <casey@mufn.org>
- 19) [18422] Re: RE The XXX.s

- by KC5TJA <kc5tja@topaz.axisinternet.com>
- 20) [18423] Re: Roy Gregson es EMTECH - Thanks
by w2bj@juno.com (Barry J Minsky)
- 21) [18424] Ed Loranger and Copying Code
by "Ken & Linda Burrough" <ne0c@1st.net>
- 22) [18425] pacificon
by dave_epps@juno.com
- 23) [18426] Close proximity dipoles
by Pat Byers <pbyers@rttinc.com>
- 24) [18427] Re: We'll See You on The Top of the World!
by Bob Edwards <w4ed@flash.net>
- 25) [18428] Fw: More VFO Stability
by "Randy Jouett" <nop@swbell.net>
- 26) [18429] FS: Sony ICF-2010 receiver
by The Boices <boice@bigfoot.com>
- 27) [18430] Re: Administrivia - IMPORTANT
by Robert Gutknecht <bobg@cecomet.net>
- 28) [18431] Re: Administrivia - IMPORTANT
by "M. Monninger" <markem@primenet.com>
- 29) [18432] crystals
by Francis M Flynn <fflynn@together.net>
- 30) [18433] Elmer 101: Another SW30+ on the Air!
by Mike - W0TMW <crucis@sky.net>
- 31) [18434] FS: Ten Tec Triton IV - Model 540 de AL7FS
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 32) [18435] Re: Close proximity dipoles
by "Walter Dufrain" <walter@inlink.com>
- 33) [18436] Re: Administrivia
by w4pj@w4bkx.ampr.org
- 34) [18437] Thanks
by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
- 35) [18438] Elmer 101 question regarding offset tone
by "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
- 36) [18439] Re: Zombie warning!
by WD6BOR@aol.com
- 37) [18440] Close proximity dipoles
by Pat Byers <pbyers@rttinc.com>
- 38) [18441] Re: 50 mhz transistors
by David Fouchey <dafouche@jax-inter.net>
- 39) [18442] HF Rigs - Tale of Woe de AL7FS
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 40) [18443] Re: DK3 Group Buy
by "George T. Baker" <w5yr@swbell.net>
- 41) [18444] FS: Icom IC-706 (origional)
by "Robert Andrew Bell" <rbell@uniserve.com>
- 42) [18445] How to remove HTML from E-mail to QRP-L
by "Bill Todd" <bill@willapabay.org>
- 43) [18446] Re: Infrared Key

by Bob Patten <n4bp@bc.seflin.org>

44) [18447] Re: RF connector losses (was Re: 1 dB loss/gain expressed as a percentage)
by "George T. Baker" <w5yr@swbell.net>

45) [18448] Re: Infrared Key
by "Radman" <radman@best.com>

46) [18449] Re: Close proximity dipoles
by Bill Meara <wmeara@erols.com>

47) [18450] Question on: W9GR DSPII Filter
by "Radman" <radman@best.com>

48) [18451] Norcal 20
by Paolo Sassoli <Paolo.Sassoli@italtel.it>

49) [18452] DK3 GROUP BUY 8/26/98
by Chris Cartwright <ccart@dns.vidtel.com>

50) [18453] please help if possible on antenna problem
by Scott Howell <whowell@hq.nasa.gov>

51) [18454] Re: Close proximity dipoles
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

52) [18455] Re: Infrared Key
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

53) [18456] RE: Close proximity dipoles and verticals !
by "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>

54) [18457] QRP, running dogs, Pogo
by MNHopkins@aol.com

55) [18458] Re: Infrared key
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>

56) [18459] Fwd: BUBBA Sprint: NQ7RP Fox Hunt
by Bob Hightower <ki7mn@dancris.com>

57) [18460] Re: HF Rigs - Tale of Woe de AL7FS
by "j.w. thornton" <dub@oklahoma.net>

58) [18461] Re: Copying Code
by "James C. Owen, III" <owen@piper.eeel.nist.gov>

59) [18462] FS QRP++
by Bill Schiller <schiller@cherokee.nsuok.edu>

60) [18463] Kenwood ts570 tuner
by Scott Howell <whowell@hq.nasa.gov>

61) [18464] Re. Labor Day
by applitech@mcg.net (Claton Cadmus)

62) [18465] How Do "U" Call It QRP
by jdenison@morelr.com (JOEL DENISON)

63) [18466] WWV Report 15:19 UTC
by "Bill Todd" <bill@willapabay.org>

64) [18467] 'nother crazy paddle idea
by Steven Weber <kd1jv@moose.ncia.net>

65) [18468] Re: Infrared key
by jeverhar@cse.l-3com.com

66) [18469] 28 Mhz beacons/NCDXF Info
by n4so@juno.com (charles k brown)

- 67) [18470] RE: Close proximity dipoles
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
- 68) [18471] JE1ZDX last nite anyone... ?
by "Radman" <radman@best.com>
- 69) [18472] Re: Infrared key
by Niel Skousen <skousen@srv.net>
- 70) [18473] QSL BUROS:WHAT IS WAIT??
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 71) [18474] RE: Close proximity dipoles
by Scott Cranston <cranston@zk3.dec.com>
- 72) [18475] Re: How Do "U" Call It QRP
by "Paul R. Valko" <prvalko@oakland.edu>
- 73) [18476] Re: QRP, running dogs, Pogo
by Zack Lau <zlau@arrl.org>
- 74) [18477] Re: Infrared key
by Monte Stark <ku7y@dri.edu>
- 75) [18478] Re: QTTF Results
by Tellefsen Bob-CNSE97 <cse97@lmpsil02.comm.mot.com>
- 76) [18479] PC Radio RX-320 first impressions
by Tom Cooper <cooper@gmpvt.com>
- 77) [18480] HW-7
by DNT1@chrysler.com
- 78) [18481] QRZ on-line Biographies.
by Ed Loranger <we6w@qsl.net>
- 79) [18482] Re: QRP, running dogs, Pogo
by Monte Stark <ku7y@dri.edu>
- 80) [18483] Re: Fwd: BUBBA Sprint: NQ7RP Fox Hunt
by kq0i@juno.com (Mark R Milburn)
- 81) [18484] RE: QSL BUROS:WHAT IS WAIT??
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 82) [18485] different keyers
by dave_epps@juno.com
- 83) [18486] NorCal 20 Progress
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 84) [18487] DK3 screwdriver for sale
by W7LS <w7ls@blarg.net>
- 85) [18488] QSL Service: WF5E
by Allan Taylor K7GT <k7gt@qsl.net>
- 86) [18489] RE: QSL BUROS:WHAT IS WAIT??
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 87) [18490] Re: 'nother crazy paddle idea
by "Marshall Emm" <mgemm@mtechnologies.com>
- 88) [18491] Joe Everhart, N2CX to visit Bay Area
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 89) [18492] QSL Burro
by w4pj@w4bkx.ampr.org
- 90) [18493] SGC 2020 Upgrades
by Kathi Hilton <kathi2@earthlink.net>

- 91) [18494] Electronic Hand Key
by bcutter@teal.csn.net (Bob Cutter)
- 92) [18495] SG-2020 UPGRADE procedure/costs
by Ed Tanton <n4xy@att.net>
- 93) [18496] vari-caps and QSL managers
by mikemo@ibm.net
- 94) [18497] Screwdriver antenna plans?
by mikemo@ibm.net
- 95) [18498] RE:SG-2020
by Ed Loranger <we6w@qsl.net>
- 96) [18499] TAC Contest Prize
by "Ron Polityka" <wb3aal@talon.net>
- 97) [18500] Re: SG-2020 UPGRADE procedure/costs
by n4js@pobox.com (John Sielke)
- 98) [18501] Crazy paddle idea, not so crazy!
by Steven Weber <kd1jv@moose.ncia.net>
- 99) [18502] Re: SG-2020 UPGRADE procedure/costs
by DENNISMO@aol.com
- 100) [18503] RE:SG-2020
by Ed Tanton <n4xy@att.net>
- 101) [18504] Re: How Do "U" Call It QRP (Short Man's Complex?)
by borealis@juno.com (Philip G. Collier)
- 102) [18505] Re: QRP, running dogs, Pogo
by nilsbull@juno.com (Nils R Young)
- 103) [18506] QRP++ FS Addendum
by Bill Schiller <schiller@cherokee.nsuok.edu>
- 104) [18507] FS: HW-9, PSA-9
by DaveLeDuc@aol.com
- 105) [18508] Re: SUN went nuts/MAJOR STORM
by nilsbull@juno.com (Nils R Young)
- 106) [18509] QST Spectrum Analyser questions
by Pierre Constantineau <pierre@cmpe.ubc.ca>
- 107) [18510] Re: SG-2020
by Ed Loranger <we6w@qsl.net>

Date: Tue, 25 Aug 98 18:04:20 PDT
From: "Robert H. Sorge" <rsorge@phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [18404] HW-8 Power Mod. Question
Message-ID: <Chameleon.980825180822.rsorge@phoenix.net.phoenix.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone have any information on the replacement of Q9 with the ECG 488?
This is listed as a mod in "The HW-8 Handbook".
72 de KC5FMZ

Name: Robert H. Sorge - KC5FMZ QRP-L#910,NORCAL#793,ARCI#96033
E-mail: rsorge@phoenix.net
Date: 8/25/98
Time: 6:04:20 PM

Date: Tue, 25 Aug 1998 23:15:51 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [18405] Ladderline/end/center insulators.
Message-ID: <35E345A7.1CED@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Crew, many of you offered up fine suggestions for the
aforementioned insulators. Yeah, I've used rope,
rubber, plastic, etc... I've taped, I've wrapped
and what not to make folded dipoles, phasing line etc.

Just like I like to use screws instead of nails: It's
a heck of a lot easier to remove or change something
if you are experimenting.

The "Field Friendly Dipole" compendium ariticle was
particularly interesting in that you could have, say,
200 feet of wire (Like the NERDS contest :), and without
threading thru a single hole, build the open wire doublet
as you go. You see, these insulators utilize slots to
easily slide the wire into.

Construction of the Ladderline insulator and Center insulator
is identical. But the center insulator is simply wired a
little differently with one extra turn from the angled cut
to the slot cut.

I know some of my friends can't browse the web so I'm sharing
a little ascii drawing attempt here: (Use fixed-width Font please)

Center/Line insulator construction:

```
+-----+  
|                                             |
```



Note slot 1 is the slot at the ends, slot 2 is the slotted ones.

For the Center insulator the TX line enters slot 1, exits slot 2, enters slot 1 again, and exits slot 2 and becomes one leg of the dipole. Repeat other side.

For the Ladder line. Just go in one slot and out the other.

Thickness? Take 7 inch thinwall pvc pipe, slice lengthwise into 4 sections. You now have 4, 7 inch slightly curved section of pvc strips. Hacksaw the slots carefully and you have it.

Tks agn. for Charlie Lofgren/W6JJZ for an excellent article in the June 1998 issue of the ARS Sojourner of which this item is but a small part. <http://www.natworld.com/ars>

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397

Date: Tue, 25 Aug 1998 23:21:21 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18406] Re: Ladderline/end/center insulators.
Message-ID: <35E346F1.7A10@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

<brevity snip....

> Center/Line insulator construction:

>



```

> +-----+                                     +-----+
> |                                               |
> |      ^\                                     /\      |
> |      \|                                     /\      |
> |-----\ |-----/ /-----/ /-----/ /-----|
>
> Note slot 1 is the slot at the ends, slot 2 is the slotted ones.

```

Oops, -----^-----
-----Change to: slot 2 is the SLANTED ones.
-Ed

--
72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397

Date: Tue, 25 Aug 1998 17:25:36 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: GQRP-L List <gqrp-l@blacksheep.org>
Cc: qrp-l@Lehigh.EDU
Subject: [18407] SUN went nuts/MAJOR STORM
Message-ID: <Pine.SOL.3.91.980825170206.26596A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SUMMARY (for those not wanting to read the whole thing)

Another MAJOR FLARE (X-class) event occurred today on the sun. As this area is approaching the center longitude of the sun, we can expect impact from this later in the week, perhaps serious. The area of this flare has all the signs of producing further X-class or M-class flares. In short ... could be a rough week on the bands.

A MAJOR GEOMAGNETIC STORM, as the result of the solar activity and coronal hole 3 days ago will be arriving shortly (before 2400UTC) and will persist until thursday. Since this is due to an interplanetary shockwave from an earlier coronal mass ejection, the onset should be quick and dramatic.

A-index in the 65-80 range is predicted. That's bad.

If 20M and above are dead ... it's not your coax. If 20M and below sounds like the noise level from a thermonuclear bomb ... well, it almost is!

Today's major flare will also keep auroral activity in the northern and middle latitudes active. Go look for aurora ... there may be little else to do :-(

Hey ... you guys wanted to experience the active sun!!!

72, Paul NA5N
National Radio Astronomy Observatory
Socorro, New Mexico

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 237 ISSUED AT 2200Z ON 25 AUG 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z
> TO 25/2100Z: SOLAR ACTIVITY HAS BEEN HIGH.

> A MAJOR SOLAR EVENT BEGAN AFTER 24/2100 UT. THE ACTIVITY INCLUDED A
> CLASS X1 X-RAY EVENT BEGINNING AT 2150 UT AND PEAKING AT 2212 UT. AN
> OPTICAL > FLARE CLASS 3B BEGAN AT 2148 UT AND PEAKED AFTER 0108 UT.
> MAJOR RADIO BURSTS EXTENDED FROM 70 MHZ TO OVER 15,000 MHZ WITH A PEAK
> FLUX 2100 > SFU AT 2695 MHZ.

> THE EVENT WAS TYPICAL OF THOSE LABELED "BIG FLARES."
^^^^^^^^^^^^^^^^

Gee, even the Solar Boys at NOAA were impressed with this one!

> IB. SOLAR ACTIVITY FORECAST:
> THE PRESENCE OF AN ACTIVE FILAMENT INDICATES CONTINUED CHANCES OF
> ENERGETIC ACTIVITY AT ABOUT THE SAME LEVEL AS HAS OCCURRED OVER THE
> LAST FEW DAYS.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z:
> THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

> IIB. GEOPHYSICAL ACTIVITY FORECAST:
> A MAJOR GEOMAGNETIC STORM IS LIKELY TO BEGIN BETWEEN 1200 UT AND 2400
> UT ON AUGUST 25. THE STORM IS EXPECTED TO MOVE RAPIDLY INTO VERY
> DISTURBED CONDITIONS AND CONTINUE INTO 26 AUGUST. THE PASSAGE OF AN
> INTERPLANETARY SHOCK AT THE STORM ONSET MAY BE PRECEDED BY A LARGE
> INCREASE IN ENERGETIC PARTICLE FLUXES REACHING 2 TO 3 TIMES CURRENT LEVELS.

This interplanetary shock wave is likely the result of the coronal mass ejection 3 days ago.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 25 AUG 122

> PREDICTED 26 AUG-28 AUG 120/120/120
> 90 DAY MEAN 25 AUG 117

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 24 AUG 009/011
> ESTIMATED AFR/AP 25 AUG 008/010
> PREDICTED AFR/AP 26 AUG-28 AUG 080/062-060/065-025/030
 ^^^^^^ ^^^^^^ ^^^^^^
 WED THUR FRI
 MAJOR STORM LEVELS WED & THUR

Date: Tue, 25 Aug 1998 19:28:48 -0400
From: "Tim Hynde" <hynde@flash.net>
To: <qrp-1@Lehigh.EDU>
Message-ID: <199808252329.SAA12898@endeavor.flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I want to build two Cascades for a friend of mine and I. I can't seem to find anyone selling them has Wilderness discontinued it? Anyone know where I can get a PC board or a photocopy of the layout and manual?

Tim ka8ddz

Date: Tue, 25 Aug 1998 18:28:56 -0400
From: rhiller@sysdev.com (Rick Hiller)
To: qrp-1@Lehigh.EDU
Subject: [18409] DK3 Group Buy
Message-ID: <3.0.5.32.19980825182856.00809eb0@stephen.sysdev.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy Folks,

Anybody heard from Chris concerning the status of our group purchase of the screw driver antennas? Last I heard was July 17th but notes to Chris go unanswered.

thanks and 73..Rick...W5RH

Rick Hiller
Manager, Business Development
System Development, Inc. Houston, Texas

"Providing CGM based Hardcopy and Interactive Graphics tools"
Check us out at <http://www.sysdev.com/>

Date: Tue, 25 Aug 1998 16:37:26 -0700 (PDT)
From: Danh Le <dql@slip.net>
To: qrp-1@Lehigh.EDU
Subject: [18410] Re: Copying Code
Message-ID: <E0zBSeV-00003X-00@slip-3.slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Ron (rhands@hwcen.org) wrote:

> Nobody seems to have mentioned my patented method:
> Buy or make a 25 or 50-foot extension cord for your headphones.
> This should be just long enough to reach from your receiver to
> the nearest couch.
> Tune in a CW station that's faster than you normally copy. Walk
> to the couch and assume horizontal position. You'll find the code
> flows into your ears much more readily when you're horizontal.

I use the baby monitor (one of the advantage of having small kids!
They grow older, the monitor becomes my toy also...) I put the
transmitter near the main station in the shack, then carry the receiver
with me around the house, out to the backyard, and the garage with
no problem at all. It works really well not just for copying CW, but
on any thing you want listen on the air (much better signal than the
portable general coverage receiver also.)

Should mention that is not my original idea. The idea came from Ori,
AC6AN, who really found a nice way to put all those surplus baby
monitors back into useful service after your kids grow older.

73/72 de Dan, ke6d

=====

Danh Le	
Amateur Radio Station KE6D	QRP-L # 1212 NORCAL # 2414
dle@san-jose.tt.slb.com	(work)
dql@slip.net	(play)
ke6d@w6yx.ampr.org	(packet)

=====

Date: Tue, 25 Aug 1998 16:38:27 -0700 (PDT)
From: Danh Le <dql@slip.net>
To: qrp-l@Lehigh.EDU
Subject: [18411] Re: Copying Code
Message-ID: <E0zBSfW-00004y-00@slip-3.slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Bruce Muscolino (w6toy@erols.com) wrote:

>It does not matter what speed you copy it at, but it should be one
>you can copy! If you can't copy 25 wpm reliably, just listening to
>it isn't going to improve your ability much.

True. Especially the words your brain can already recognize easily.
I listen to the the high speed CW ops on 20m and 40m regularly. I
can copy them comfortable at up to 35 wpm in my head. I found lots
of enjoyable stories between high speed ops to listen to every day.
One thing I found out (since I also listen to code tapes I generated
from news article found on the internet) that my ability to copy fast
code in my head drops dramatically when I listen to the news article
for the first time. I am lucky if I can sustain a 28 wpm copying a
message which I do not know anything about its content or words
which I don't hear often on the air.

Although I have listening to random-content high speed CW code every
day for the last 8 months, I am still not any closer to my goal of
copying random 35 wpm code in my head. I guess I can not really
say that one can copy xx wpm in one's head unless one can
demonstrate the ability to handle anything thrown at him/her
at that speed...

How do you old timers do it?

>The real downside of copying in your head is that you lose the
>ability to put it on paper if you have to.

That is why I have so much trouble to copy QTHs which I am not
familiar with now (since retiring the pencil 8 months ago) -
The ones which I can not really form a word in my head (non-English
QTHs), but is a bit too fast to scribe down...hi..hi (an inline tape
recorder really helps me out quite a few times)

72/73 de Dan, ke6d

```
=====
Dan Le
Amateur Radio Station KE6D    QRP-L # 1212  NORCAL # 2414
dle@san-jose.tt.slb.com      (work)
dql@slip.net                  (play)
ke6d@w6yx.ampr.org           (packet)
=====
```

Date: Tue, 25 Aug 1998 16:05:07 -0700 (PDT)
From: Dick Dillman <ddillman@igc.apc.org>
To: boatanchors@theporch.com, qrp-l@Lehigh.EDU, russ_sherry@spectrian.com,
jparnell@igc.org
Subject: [18412] W6AWO OTA From Burning Man
Message-ID: <2.2.16.19980825155846.0e2f84d0@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

W6AWO will be on the air from Black Rock City, NV, site of the Burning Man
event, beginning on or about 31 August. Operating hours will be variable
but the primary frequency will be 7040Kc. Calls from any of the gang will
be appreciated, calls from BA and/or QRP stations particularly encouraged.

Regards,

Dick

Dick Dillman

<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Tue, 25 Aug 1998 16:46:40 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [18413] Re: Copying Code
Message-ID: <Pine.SOL.3.96.980825164441.11325A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 25 Aug 1998, Danh Le wrote:

>
> > Buy or make a 25 or 50-foot extension cord for your headphones.
> > This should be just long enough to reach from your receiver to
> > the nearest couch.

>
> I use the baby monitor (one of the advantage of having small kids!

I use those 800 mhz head phones. I can copy all over the place.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 25 Aug 1998 19:49:31 EDT
From: k7sz@juno.com (Rick Arland)
To: baswaplist@foothill.net, boatanchors@listserv.tempe.gov, qrp-l@Lehigh.EDU,
qrp@qth.net
Subject: [18414] FS: 10 Meter AM/SSB Projects
Message-ID: <19980825.100815.13495.3.k7sz@juno.com>

Gang:

I have procured several "classic" CB sets over the last couple of years that I had originally intended to put on 10 meters. Looking over my list of projects, there just ain't gonna be 'nuff time. Sooooooooooooo....if anyone is interested here is what I have for sale:

1. PolyComm-II 4-chnl vacuum tube CB set in excellent condition with mobile mount and power cord. No mic....but I do have a Turner +2 that will work....you have to scrounge your own mic connector. This is the set Don Patrick did a 2-part restoration article on in Popular Communications last year. A copy of this article will go with the rig. You'll need Sams CB PhotoFacts #2 (\$10 from AG Tannenbaum). \$40.00
2. KnighKit 2590 5-chnl vacuum tube CB set in fair condition with mic. You'll need Sams CB PhotoFact #11. \$25.00
3. SBE Sidebender-III 23 chnl solid-state (boo...hissssss...) in vy gd condx w/mic and mobile mt. Change 4 xtals and you are on 10 meter SSB. I have the Lou Franklin (CBC International) info on coverting this rig plus a 73 mag article from the early 80s. You'll need Sams CB PhotoFact #61. \$45.00
4. Hallicrafters CB-21 8-chnl CB set in vy gd condition w/mic. Don't know the Sams CB Photofact. \$30.00
5. Tramm Diamond 23 chnl AM/SSB CB rig . Have Sams CB #62 for this one but it needs work...finals are blown. Have the mic and mobile mt. \$30.00

Shipping on all these is extra. IF someone wants all five rigs for \$150, I will pay the shipping to one address.

If you need a good project or two (or three....) send me a private e-mail and we'll deal.

73 Rich Arland, K7SZ

Date: Tue, 25 Aug 1998 20:11:35 -0400

From: "Jerry W. O'Dell" <jwodel@ameritech.net>
To: qrp-1@lehigh.edu
Subject: [18415] head copy
Message-ID: <19980826010927.PIS11351@[206.141.212.245]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sounds like something for Mr. Clinton..... however.

It it's simple text, I can go 50 wpm, no problem. If funny words occur, I miss them.

With code groups, god help my soul.

The answer is practice, nay, long practice. It will take you many years to copy anyone in your head, and if he/she sends odd stuff, you're in trouble.

73 jerry w8gnd

Date: Tue, 25 Aug 1998 20:15:59 -0400
From: "Richard H. Neindorff" <rneindorff@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [18416] Roy Gregson es EMTECH - Thanks
Message-ID: <3.0.32.19980825201555.0069e0f0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just received the ZM-2 kit that I ordered around the beginning of the month. My order may still have been in the mail when Roy entered the hospital for the last time. I want to publicly thank his family or whoever completed my order. This is much more than I had expected.

I don't know if anyone will continue Roy's business. I didn't know Roy or ever communicate with him directly. However, I will certainly support whoever, in spite of the circumstances, continued to honor his pending orders.

Thank you and my condolences to Roy's family.

--Rich, WB2RAR

Date: Wed, 26 Aug 1998 00:17:57 +0100
From: wd3p@juno.com (Larry Cahoon)
To: dql@slip.net, qrp-1@Lehigh.EDU
Subject: [18417] Re: Copying Code
Message-ID: <19980826.001757.4006.3.wd3p@juno.com>

On Tue, 25 Aug 1998 16:37:26 -0700 (PDT) Danh Le <dql@slip.net> writes:

>I use the baby monitor (one of the advantage of having small kids!

You don't need kids (thought that is where I started). Those things are dirt cheap at yard sales. Been using one for 5 or 6 years now to copy the county hunter net. Only have to go back to the rig when someone is in a county I need. That and running mobile does wonders for head copy - try figuring out some of those county names.

73 de Larry.....WD3P.....in MD

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 25 Aug 1998 20:18:22 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [18418] Shareware Page
Message-ID: <00aa01bdd087\$0baea840\$5b5445c6@programs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

 If you have created some Shareware of your own?

Would you like to post it on a page with other Shareware Programs?

If it is electronic or ham radio related please drop me an e-mail and send a brief description.

73 & Good DX,

Ron de WB3AAL wb3aal@talon.net

vvv Eastern PA QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern PA QRP #1

Date: Tue, 25 Aug 1998 16:25:43 -0600
From: Kory Hamzeh <kory@avatar.com>
To: rneindorff@worldnet.att.net
Cc: qrp-1@Lehigh.EDU
Subject: [18419] Re: Roy Gregson es EMTECH - Thanks
Message-ID: <3.0.5.32.19980825162543.00a5bca0@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:15 PM 8/25/98 -0400, you wrote:

>
>I don't know if anyone will continue Roy's business. I didn't know Roy or
>ever communicate with him directly. However, I will certainly support
>whoever, in spite of the circumstances, continued to honor his pending
orders.
>

I hope someone does. I would love to put together one of his 20 meter rigs!
I've heard they were great radios.

Thank you Roy for all of your work! I'm sure you are in a better place now.

Kory
AC6RN

Date: Tue, 25 Aug 1998 19:30:49 -0500
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-1@Lehigh.EDU
Subject: [18420] re: MFJ-249 AS A SIGNAL SOURCE
Message-ID: <3.0.3.32.19980825193049.00b8d430@oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Kind of along the lines of this thread I had an article in the QRP Quarterly
>a couple of years ago describing how to use the MFJ Analyzer as a tester for
>QRP xcvrs.

Hey Gang: I have the MFJ 249 and tried using it as a test instrument. It was nowhere near stable enough for such work as setting the transmit offset for a QRP homebrew rig. Ballpark was the best I could count on with it. Your mileage may vary. "72"

J. W. (Dub) Thornton WA5YFY
Minco, Okla.

Date: Tue, 25 Aug 1998 20:49:23
From: "K. Babcock" <casey@mufn.org>
To: cjsterl@ix.netcom.com
Cc: qrp-l@lehigh.edu
Subject: [18421] 80m cw wasteland
Message-ID: <3.0.5.16.19980825204923.393f0d0e@mufn.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, Craig:

I don't know if you remember me or not, but back in December of '95 we qso'd on 80m & you were running a TS 850 at 5w. We exchanged cards, and I ran across your card the day after the thread mentioned in the subject line appeared in the QRP-L reflector. I had to laugh, because in your note on the card, you turned me on to QRP-L.

It would be quite some time before I got internet access and by that time, I'd completely forgotten about the reflector.

I also ran across the card from WA3VDV (whose name I could not find on the list of subscribers. I worked him in January of '96 and in our QSO I asked him if he built his own equipment.

Along with his card I recieved a fascinating four-page letter describing life in Europe during the second World War, homebrewing his own rcvr to listen to Radio Luxemborg, and guarding his reciever with his body when the "Liberators and B-17's unloaded on top of us." He also sent me a list of direct conversion reciever papers by KK7B.

The connection to the aforementioned thread is that both these conversations were instrumental in developing my interest in QRP ops and they both took place on 80m CW.

Gotta drop Walter a line & see if he's still around.

Hope this finds you well.

72,

Date: Tue, 25 Aug 1998 17:53:27 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: RangerSF5@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18422] Re: RE The XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.s
Message-ID: <Pine.LNX.3.96.980825175300.13075A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 25 Aug 1998 RangerSF5@aol.com wrote:

> I wish you guy just leave me alone and see the *X* Doctor

I think this incident should be filed in the *X FILES*... ;)

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net
Oceanside, CA		

Date: Tue, 25 Aug 1998 21:05:13 -0400
From: w2bj@juno.com (Barry J Minsky)
To: kory@avatar.com
Cc: qrp-l@Lehigh.EDU
Subject: [18423] Re: Roy Gregson es EMTECH - Thanks
Message-ID: <19980825.211035.-219251.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have the 30 and 40 meter rigs. They are great. But the best part was Roy's wonderful spirit and helpful attitude. He was a fine gentleman. I

enjoyed every conversation I had with him. Like many others, I never met Roy; but I considered him a friend.

On Tue, 25 Aug 1998 16:25:43 -0600 Kory Hamzeh <kory@avatar.com> writes:

>At 08:15 PM 8/25/98 -0400, you wrote:

>>

>>I don't know if anyone will continue Roy's business. I didn't know

>Roy or

>>ever communicate with him directly. However, I will certainly

>support

>>whoever, in spite of the circumstances, continued to honor his

>pending

>orders.

>>

>

>I hope someone does. I would love to put together one of his 20 meter

>rigs!

>I've heard they were great radios.

>

>Thank you Roy for all of your work! I'm sure you are in a better place

>now.

>

>Kory

>AC6RN

>

>

>

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,

Knightlites, Adventure Radio Society #359,

Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers

Club #3723

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 25 Aug 1998 21:04:56 -0400

From: "Ken & Linda Burrough" <ne0c@1st.net>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [18424] Ed Loranger and Copying Code

Message-ID: <005601bdd08f\$8d3b0cc0\$c606f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tnx Ed for posting the two messages on Copying Code. I'm learning something useful from the refector again.

Ken/ne0c at the Buzzard Roost

Date: Tue, 25 Aug 1998 18:27:01 -0700
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [18425] pacificon
Message-ID: <19980825.182702.9966.1.dave_epps@juno.com>

The friday antenna seminar sounds good so the XYL & I will be going to Concord thursday. If anyone wants to get together for dinner thursday evening we will be there.
 dave ab5pc fresno, ca.

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 25 Aug 1998 19:28:11 -0600
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [18426] Close proximity dipoles
Message-ID: <3.0.5.32.19980825192811.007d1770@mail.rttinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I like to tinker but I hate climbing and I'm afraid of heights so I'd like some advice before going ahead with an antenna project.

Any ideas, preferably from experience? I'd sure like to avoid climbing that tree if it won't work.

Pat Byers, VE6AAN
Lacombe, AB

```
> Adventure Radio Society has altered its contest schedule.....
> .... we're going to sponsor the Fall version of
> "Top of the World," a uniquely intriguing way to use that VHF...
```

I had a blast with a 500 mw HT, store bought vertical, and a few bikers (hogs) in the background on Skyline Drive, CA. Thanks to Dave Meacham / W6EMD for pointing me in the right direction to overlook "silicon valley" on the 1st ARS VHF contest.

```

      Bob      72/73
      Z'# 114
http://www.qsl.net/w4ed

```

```

      W4ED nr Atlanta @EM73wt      /_||/____|_\\_
...."QRP", more from less....    [\\--=====\\_

```

Date: Tue, 25 Aug 1998 20:58:29 -0500
From: "Randy Jouett" <nop@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [18428] Fw: More VFO Stability
Message-ID: <001e01bdd095\$07b61580\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Randy Jouett <nop@swbell.net>
To: K2UD@aol.com <K2UD@aol.com>
Date: Tuesday, August 25, 1998 8:56 PM
Subject: Re: More VFO Stability

```
>>For quite some time I have "potted" VFO toroids with 5 minute epoxy.
First
>I
>>would adjust the bare winding until I got the frequency coverage I wanted.
>>then applies the epoxy with a cut-off Q-tip. Smear it all around the
>>circumference, both sides, and the inside until the entire toroid is
>covered.
>
>
>Here's the solution that I use for that particular problem... First, I
>adjust the windings, and when I have the freq. set properly, I "cement"
the
>windings into place with clear fingernail polish. It sets up rather quickly
>(1 to 2 mins), so I don't have to worry about the windings moving around.
>
>If I want to remove the fingernail polish for an adjustment or to re-use
the
>toroid, I dip the toroid into something called "Weld On." Weld On is used
>to chemically bond/weld (as in fuse) two pieces of plastic together, and
you
>can get some of it at your local plastic house (i.e. industrial plastic
>supplier) where they deal with "plexi-glass." It completely dissolves the
the
```


>fingernail polish; however, it does not remove the emanel coating on the
>magnet wire.
>
>>Takes more than 5 minutes to fully set. I hold mine by the leads with a
>pair
>>of hemostats until it is ready to touch (usually an hour or two). If
>>soldering to the PCB doesn't hold it firmly in place, I will use rubber
>cement
>>to hold it to the PCB. It can be CAREFULLY lifted later for any changes.
>>Another way of securing it is to use phenolic discs on top (flat mounting)
>and
>>small hardware through the disc and toroid to the PCB. Even metal
hardware
>>does not seem to change the value.
>
>
>Maybe it doesn't mess around with the inductance, but u can be sure that
the
>metal hardware will introduce un-wanted capacitance into the circuit. I
>solved this problem by using teflon stand-offs with plastic nuts and bolts.
>I might not be the most cost-effective soloution, but when it comes to
>VFO's, why do anything cheaply?
>
>
>
>72/73,
>
>Randy AB5NI
>
>nop@swbell.net
>
>
>
>

Date: Tue, 25 Aug 1998 20:58:39 -0500
From: The Boices <boice@bigfoot.com>
To: qrp-1@Lehigh.EDU
Subject: [18429] FS: Sony ICF-2010 receiver
Message-ID: <3.0.5.32.19980825205839.007ac510@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For sale: Sony ICF-2010 receiver. Covers 150 kHz - 30 MHz continuous,

plus 76 - 108 MHz & air band (116 - 136 MHz). Has AM/FM/USB/LSB-CW modes, plus synchronous detection. If you've never listened to shortwave AM broadcasts with synchronous detection, you don't know what you're missing. It GREATLY reduces fading (& your frustration!). Displays to 100 Hz. This is a sweet receiver.

Excellent condition (a few very minor small scratches), with manual & AC wall wart. Many mods available, but this one's never been opened. Works great. Grad school starts up next week & need some extra cash. Asking \$220 (money order or cashier's check only) including priority mail or USPS ground shipping in U.S. Sells new for \$350.

Good description & photo is available at Universal Radio's site
<http://www.universal-radio.com/catalog/portable/0841.html>

Please email direct, NOT to list.

Here's a quote from the 1996 Passport to Worldband Radio, p 107.

Bottom Line: Our panelists, like opinionated Supreme Court justices, usually issue split decisions. But not with this model, which since its introduction has always been, and very much still is, our unanimous favorite among portables. Incredibly, after all these years, this radio is still the Big Enchilada for radiophiles, and fairly priced for all it does so well. Except for pedestrian audio quality and urban FM, plus the learning curve, Sony's high-tech offering remains, for many, the best performing travel-weight portable-regardless of where you live. Its use of separate pushbuttons for each station preset makes station call-up easier than with virtually any other radio tested. Its synchronous detection, which works as it should, not only reduces distortion but also, as one reader puts it, offers the adjacent-channel rejection (selectivity) of a narrow filter with the fidelity of a wide filter.

73,

Mike
KM5PE, Canyon TX
QRP-L # 576

Date: Tue, 25 Aug 1998 22:13:50 -0400

From: Robert Gutknecht <bobg@cecomet.net>
To: nhoop@centuryinter.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18430] Re: Administrivia - IMPORTANT
Message-ID: <35E36F5D.744D0015@cecomet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Why don't we all go back to Smoke Signals
Bob QRP L 973

N H wrote:

>
> >
> > Effective immediately, any e-mail sent to the list that includes
> > attachments, i.e. MIME multi-part messages, will be discarded. Please
> > ensure your mailer is set to send plain ASCII, single-part, text messages.
>
> Thank you! Thank you! Thank you! Thank you! Thank you! Etc.....
>
> 72 Nat KM5QU
> Oxford AR
> QRP-L #1665

Date: Tue, 25 Aug 1998 19:27:14
From: "M. Monninger" <markem@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [18431] Re: Administrivia - IMPORTANT
Message-ID: <3.0.5.32.19980825192714.009aa4d0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This exact same issue was discussed this week on our internal newsgroup at work regarding postings to that newsgroup. Someone had almost the exact same comment except that he said "Morse Code" instead of "Smoke Signals". This was, predictably, followed by several postings written in .'s and -'s.

73... Mark AA7TA

At 10:13 PM 8/25/98 -0400, Robert Gutknecht wrote:

>Why don't we all go back to Smoke Signals
>Bob QRP L 973

>
>N H wrote:

>>
>> >
>> > Effective immediately, any e-mail sent to the list that includes
>> > attachments, i.e. MIME multi-part messages, will be discarded. Please
>> > ensure your mailer is set to send plain ASCII, single-part, text messages.
>>
>> Thank you! Thank you! Thank you! Thank you! Thank you! Etc.....

Date: Tue, 25 Aug 1998 22:35:43 -0400
From: Francis M Flynn <fflynn@together.net>
To: nick.hulbert@lmco.com, qrp-l@Lehigh.EDU
Subject: [18432] crystals
Message-ID: <3.0.1.32.19980825223543.0068bf30@together.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Date: Tue, 25 Aug 1998 15:31:40 -0600
From: "Hulbert, Nick" <nick.hulbert@lmco.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18392] XTALS WANTED!!
Message-ID: <5104C9F8B0B5D1118C250000F8062537BC1091@emss02m13.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"

I have a GALAXY six channel receiver (2-18 Mhz) that I would like to use for monitoring popular QRP calling frequencies or WWV. I found a few xtals in my junk box that come close but not good enough.

Try the "great crystal swap page"

great crystal swap

72, Fran

Date: Tue, 25 Aug 1998 21:39:52 -0600
From: Mike - W0TMW <crucis@sky.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [18433] Elmer 101: Another SW30+ on the Air!
Message-ID: <35E37578.616EF850@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just had my first contact with my Elmer project---a SW30+.
I had finished it over the weekend, but hadn't yet made a
contact. I just tried again and Dan, W3DF, returned my CQ.
I gave him a 559. Not bad from Missouri to Maryland. Had
a good QSO until a PACTOR station started up on top of us.

Good QSO, Dan, even if it was short!

Mike - W0TMW

--

=====

Mike Watson, W0TMW	QCWA Mbr # 28651, Chap. 35
Raymore, MO USA	Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis/linklist.htm	
E-mail: crucis@sky.net	ARS# 352, QRP-L# 1489

=====

Date: Tue, 25 Aug 1998 19:06:29 -0800
From: "Jim Larsen (AL7FS)" <larsennnc@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>, Del Seay KL7HF <seay@alaska.net>
Subject: [18434] FS: Ten Tec Triton IV - Model 540 de AL7FS
Message-ID: <35E37BB5.38DD06A2@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale: Ten Tec Triton IV - Model 540 SSB and CW on 5 bands.
\$195 plus shipping. No mike, no dc cord, with manuals, works but is not
perfect.

73, Jim, AL7FS

If you want more details, read on.

(From the manual)

The Triton's are medium powered SSB and CW transceivers employing solid
state technology. The Triton IV is a notable upgrade from the Triton I.

Unique balun type transformers couple each rf stage insuring efficient energy transfer without the need to resonate or tune. Individual low pass output filters for each band reduce transmitted harmonic and TVI component to a low value.

Tune-O-Matic band changing completely eliminates transmitter tune-up. The panel meter automatically switches from an "S" meter to an SWR meter

when transmitting. Indicator LEDs are provided for offset tuning (OT) and automatic level control (ALC), and the crystal calibrator is pulsed for easy identification.

Comments plucked from the manual plus a few notes of my own:

Uses 12-14 volts DC at up to 18 amps.

Mic - high impedance dynamic, crystal or ceramic microphone. (Not included)

SWR meter built in.

Bands - 80-10 no WARC bands

Freq Stability - Less than 15 Hz per degree Fahrenheit, averaged over a 40 degree change from 70 degrees to 110 degrees, after a 30 minute warm-up.

Tuning Rate - Approx. 25 KHz per knob revolution

RX current - 500 ma

TX current - 18 A max

47 transistors, 33 diodes, 11 ICs

HWD 4.5" x 13 5/8" x 13"

Net weight 12 lbs (Packing material will add to weight)

Receiver

Sensitivity Less than .3 uv for 10 db signal-plus-noise to noise ratio

Selectivity - 8 pole lattice filter. 2.5 KHz bandwidth. 1.8 to 1 shape

factor at 6/60 dB

IF - 9 MHz,

Has Offset tuning 0 Approximately +/- 5 KHz, with pull-out defeat switch and indicator LED

Calibrator - 100 KHz crystal type - pulsed tone

Optional Accessory (not included): CW filter Model 245: Has four active

operational amplifier stages.

CW-1 inserts all four stages resulting in 150 Hz wide band pass

CW-2 selects only one stage so that skirt attenuation is much less

Bandwidth - 150 Hz at half power point 1.45 KHz @ -60 db = CW1

260 Hz at half power point 2.8 KHz @ -20 dB = CW2

Again, the 245 is not included, but I do have the Info sheet, schematic

and parts list for the 245 filter (plus the Motorola chip alternate).
Also, I have a QST article on how to install the Ten-Tec Model 217
filter (500-Hz, 8 pole crystal filter) into the Model 540, Triton.

Receiver Works

Transmitter puts out at least 50 watts (I only had a PS capable up to 9
amps). Rig is rated at 85-100 watts output with 18 amps.

CW is complete break-in T/R

Power variable from the front panel

CW Filter (Optional accessory, not included)

No power cord

No mike

manual included - one original,

I have never used this rig for a QSO

Warts: It did go lights on just fine last weekend and a quick check
on

20 meters showed good signal reception on CW and SSB. The dial cord
needs work. Front panel is clean except for one rub area
on the RF dial (the numbers 5, 6, and 7 have been rubbed off).

73, Jim, AL7FS

Date: Tue, 25 Aug 1998 21:55:37 -0500
From: "Walter Dufrain" <walter@inlink.com>
To: <pbyers@rttinc.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [18435] Re: Close proximity dipoles
Message-ID: <199808260311.WAA28626@thor.inlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Pat, a wrist rocket (sling shot) and spinning reel sure beats climbing
trees for me. Your feet'ies never have to leave the ground.

(flack suit: is zipped up) The antenna books seem to like having the
dipoles seperated instead of being close proximity/parallel. Maybe
you could use small pvc pipe (don't know what size magnet wire

you are using) or something to separate the dipoles at their respective ends. If you are not using an antenna matcher you will probably find less interaction when getting them tuned up.

good luck & let us know the results,

Walter Dufrain, AG5P

Wright City, Missouri

>((snipped - & more snipped))
> Subject: Close proximity dipoles
> I'd like to suspend both 30m and 40m dipoles from the same rope. They will
> be very close and parallel to each other - perhaps touching. Both are made
> from enameled magnet wire so there won't be any direct shorts. However, I'm
> concerned about the interaction between the two antennas.
>

Date: Tue, 25 Aug 1998 23:40:12 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [18436] Re: Administrivia
Message-ID: <18618@w4bkx.ampr.org>

Thank you... I get my 'email' messages through AX.25 Packet.
1200 Baud. Across town on 2meter FM. I have to wade through
the html and mime stuff till I want to puke! Information is KING.
Pictures and cutesy graphics in living color do nothing for me here!
Looks like gobbldeygook anyway.
AND - TAKES FOREVER....

BTW my QRP 3W 2meter FM rig gets the job done just fine with plain text.

de Scott / W4PJ Ft. Lauderdale, FL <EL96vd> #1585 (Pres. SFDXA)
----- 73 -----

Date: Tue, 25 Aug 1998 22:54:33 -0500

From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Cc: Jim <lujce@Lehigh.EDU>
Subject: [18437] Thanks
Message-ID: <3.0.32.19980825225044.00cab3f0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Jim,

Thank you for "your" support of this great qrp-l list. I'm amazed that we have been able to keep this list on-line with the help of Lehigh.edu after all these years. Knowing that my alma mater, Villanova University, is near by, why what the heck, maybe I'll even root for Lehigh during the basketball season.

Cheers and thanks again to you and Chuck for your dedicated support.

73/72 Bob N0EB

You wrote:

Date: Tue, 25 Aug 1998 10:18:30 -0400 (EDT)
From: lujce@Lehigh.EDU
To: qrp-l@Lehigh.EDU
Subject: [18368] Administrivia - IMPORTANT
Message-ID: <199808251418.KAA257240@nss4.cc.Lehigh.EDU>
Content-Type: text

Gang,

.....

The intent is for QRP-L to adhere to a least common denominator e-mail model and therefore be readable by the greatest number of QRP'ers, as well as allay any fear of receiving a virus living in an e-mail attachment.

As always, thanks for your support.

73
Jim N3VXI

Bob Gobrick - Stillwater, MN
Internet: rgobrick@att.net

Date: Tue, 25 Aug 1998 23:17:23 -0500
From: "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [18438] Elmer 101 question regarding offset tone
Message-ID: <000301bdd0a8\$7520aa00\$82195ea0@pentium>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Elmer 101 folks.

I've just got the Freq Mite installed in my SW-40+ and it works very well. Now I have something else that is attracting my attention.

When I tune in a station that I want to talk to, I "zero beat" the station by matching the frequency of the tone that I hear him at with the frequency that I hear when I transmit. I believe this puts me right on his frequency. I hear him approximately 800 Hz above his "zero" and then when

I transmit, the transmitter frequency is pulled DOWN by 800 Hz, resulting in the 800 Hz tone that I hear. Is this correct?

My problem is that this tone is a little too high for me. I don't think it is really 800 Hz in my rig , but probably more like 1000Hz. I would like to lower it a little.

As I understand it, the tone that I hear is the difference between the frequencies generated by U3 and U5. The large size of RFC2 (22 uH) is enough to pull the frequency of the transmit down. I assume that I can lower the tone by reducing the amount of the transmit "pull down". Thus, I think it will work to just reduce the effective size of RFC2. Does this make sense?

I probably will try adding another 22 uH choke in parallel with RFC2 to reduce the effective inductance to 11 uH. This may be too much.

Any thoughts?

Thanks, and 72/73

- Craig, AA0ZZ

Date: Wed, 26 Aug 1998 00:36:59 EDT
From: WD6BOR@aol.com
To: STEW_W@compuserve.com, qrp-1@Lehigh.EDU
Subject: [18439] Re: Zombie warning!
Message-ID: <83dc9097.35e390ec@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Fellow Zombies,

I was lucky enough to be browsing the TV guide and found "I Walked With a Zombie" on and was able to find a blank tape and record it. Leonard Maltin gives it three and a half stars. I think it would make a useful reference for new Zombies who could use some tips and pointers on how to act like a real zombie.

I suppose I could bring it to Pacificon and let it run during the QRP Open House.

72,
Darrel, WD6BOR
Sonoma, CA

(working on my shuffle)

Date: Tue, 25 Aug 1998 22:38:13 -0600
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [18440] Close proximity dipoles
Message-ID: <3.0.5.32.19980825223813.007ffa70@mail.rttinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Many thanks to all who replied to my question. Sorry I haven't been able to respond to each of you.

I realized from the responses that I needed to clarify some points in my original post:

1. The "magnet" wire is actually 14 ga wire used to wind motors. It has a tough varnish finish but I have no idea how much insulation it provides at high voltages.

2. I intend to use separate feeds for each antenna so only one would be active at a time. I just wanted to get an idea of the interaction of a passive antenna with an active one. The idea of suspending both antennas from one rope arose because of my wish (need?) for a 40m antenna and my lack of good antenna locations.

3. I thought about various launching schemes for the rope but the tree is at the front of the house not too far from a neighbour's house, truck, etc. You get the picture . . . Safer to put a ladder up into the tree.

In any event, the consensus seems to be that a two dipole scheme will work but it's necessary to keep a good separation between the antennas, especially at the ends. I'll let the list know how it works if and when I get around to putting them up.

73,

Pat Byers, VE6AAN

Date: Wed, 26 Aug 1998 00:45:48 -0400
From: David Fouchey <dafouche@jax-inter.net>
To: msebrakr@telepath.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [18441] Re: 50 mhz transistors
Message-ID: <3.0.1.32.19980826004548.007f3100@jax-inter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:28 PM 8/25/98, Roger Braker wrote:

>Hi Guys,

>I am in the process of gathereing parts for my 6 meter rig. But now I have
>a problem:-) I am needing know if I can use a 2N2222 for a driver at 50
>mhz.

2N2222 Ft 200 Mhz should do fine.

> If not, what would be a good transistor that is'n to expensive and is
>comonley availibel. Also, what kind of transistor could I use to get
>about 3 or 4 watts out at 50 mhz? Dan's has 2sc799 on sale, but they
>aren't listed in the arrl handbook, NTE doesn't have data sheets on the
>cross reference, and I don't know where else to check:-) Will they work?
>Any help would or comments would be greatly appriciated.

2SC2627 should do the trick. Don't know a thing about the 2SC799.

>

>73,

>Arnold kd5kch

>

Good luck, 73's

Dave

wa4emr

>

>

Date: Tue, 25 Aug 1998 20:44:28 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>
Subject: [18442] HF Rigs - Tale of Woe de AL7FS
Message-ID: <35E392AC.F7B44E1C@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Mine is a tale of woe. Here I am trying to sell down my HF radio collection to a level that is more reasonable (had more than 12 rigs) and I just hit a big snag.

Now, keep in mind that I have two Ten Tec Century 22s. I was planning to just have a QSO with the one with the CW keyer built in, the one I was planning to sell, and BANG, I had a good 20 meter ragchew QSO with Illinois just a few minutes ago. The QSK was soooo nice. The receiver was good, the filter was as tight as I wanted (It is continuously variable). How in the world can I sell it!!!????

I am also planning to sell the Triton IV, the Argosy, the TS-440S, and the FT-301D. Now I am scared to check them all out. Will I decide I cannot part with them, too. Sigh.

I did post the ad for the Triton. I think I am going to keep the Century 22 (maybe) and now I have to decide on the other rigs. Wish me luck. The Argosy is my "cherry" rig with darn near all filters and accessories. My TS440SAT with 250 Hz filter and tuner is a champ and the 301D with cw filter has such a nice quiet receiver (as others on here have commented, also).

So that's my Tale of Woe for tonight. Wish me luck....but watch for my ads? :-)

73, Jim, AL7FS
Anchorage, Alaska

Date: Tue, 25 Aug 1998 23:49:08 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: rhiller@sysdev.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [18443] Re: DK3 Group Buy
Message-ID: <35E393C4.215FE4F3@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've emailed him several times also asking for status but no response. I keep hearing that Don W6AAQ is still ailing, yet others tell me that they have recently ordered antennas and gotten prompt delivery.

????? ;^)

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

Rick Hiller wrote:

>
> Howdy Folks,
>
> Anybody heard from Chris concerning the status of our group purchase of the
> screw driver antennas? Last I heard was July 17th but notes to Chris go
> unanswered.
>
> thanks and 73..Rick...W5RH

Date: Tue, 25 Aug 1998 21:51:00 -0700
From: "Robert Andrew Bell" <rbell@uniserve.com>
To: <qrp-1@Lehigh.EDU>

Subject: [18444] FS: Icom IC-706 (original)
Message-ID: <000b01bdd0ad\$206a5100\$1cc2f4cc@satan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have for sale an Icom IC706 complete with handmike,remote cable,remote head mount,mobile mount,power cable,manuals and origional packaging,it is in excellent working condition and looks good I am asking \$690 US + shipping

Rob. VE7IGZ

Date: Tue, 25 Aug 1998 21:58:15 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <QRP-l@Lehigh.EDU>
Subject: [18445] How to remove HTML from E-mail to QRP-L
Message-ID: <001401bdd0af\$a9e8c360\$184ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello group -

Users of the WIN98 operating system may be unaware of the fact that the default e-mail program, "Outlook Express", is set up to send HTML information (such as a web page address in a signature file) in HTML format.

I was unaware of this myself, until it was pointed out to me. So, until the "Just the facts Mam" mode of sending E-mail on the QRP-L is changed, here is the step by step process to change your e-mail from HTML to plain text:

Most people automatically save "sent" mail to their Address Book. If this is the case for you, do the following -

- a. Click on the Address Book.
- b. Look for the "Low Power Amateur Radio Discussion" listing, and double click
on it.
- c. When the file comes up for this Address, click on the "Send E-mail using

Plain Text".

d. Click "OK" on the lower right of the record, and then exit the Address Book.

This process should eliminate any HTML formatting going out on the QRP-L, however your other mail will continue to show HTML information should you wish to do so.

Also, if you have any JUNO users in your address book, you should change the Address Book listing for those folks to Plain Text as well.

I hope this information helps -

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Wed, 26 Aug 1998 01:51:53 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Randy Jouett <nop@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18446] Re: Infrared Key
Message-ID: <Pine.3.89.9808260120.F24049-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 25 Aug 1998, Randy Jouett wrote:

>
> Hmmm. Should work! You got me thinking about something, Dave. How about key
> contacts via Radio Shack proximity detectors. Could work? Anyone out there
> try this?
>

Wish I had more specific info, but this was done years ago. I built a paddle long ago that used body capacitance to close transistor switches. As I recall, it was difficult for me to send good code on it though. It may have been from a QST article, but have no clue about the year...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Wed, 26 Aug 1998 01:18:35 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: jjmcd@tm.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18447] Re: RF connector losses (was Re: 1 dB loss/gain expressed as a percentage)
Message-ID: <35E3A8BB.9E4F8581@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You probably can't, John, but the beauty of ladder line and a tuner is that it doesn't matter. You (and the tuner) could care less what the actual impedance of the ladder line is or of the impedance it sees at the antenna end. All that, plus any impedance bumps along the way, wash out when the tuner is adjusted.

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

John J. McDonough wrote:
How can you bring ladder line into the shack, and into the tuner,
> without creating some sort of impedance bump in the line?
>
> 72/73 de WB8RCR
> didileydadidah

Date: Wed, 26 Aug 1998 02:27:33 -0700
From: "Radman" <radman@best.com>
To: <n4bp@bc.seflin.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [18448] Re: Infrared Key
Message-ID: <199808260924.CAA11205@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

>> I built a paddle long ago that used
body capacitance to close transistor
switches.
As I recall, it was difficult for me to
send good code on it though. It may
have been
from a QST article, but have no clue
about the year...

Hmmm, the "body capacitance" scheme
reminded me of my (gasp!) Ramsey CW-700
keyer -- complete with "touch paddles."
Ramsey's implementation is pretty dang
touchy...
(no pun). Nearly impossible for me to
send decent code at over 4 to 5 wpm on
that thing.
I bought the kit to evaluate "touch
keying"very tricky business!! I
think I'll try something
useful like mastering the original
Vibroplex bug ;) !

Yet, to it's credit, the Ramsey has
no moving parts!

72 - Conrad Weiss - NN6CW

Date: Wed, 26 Aug 1998 09:32:29 -0400
From: Bill Meara <wmeara@erols.com>
To: pbyers@rttinc.com, qrp-1@Lehigh.EDU
Subject: [18449] Re: Close proximity dipoles
Message-ID: <199808260936.FAA00177@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:28 PM 8/25/98 -0600, you wrote:

>Hi all,

>

>I like to tinker but I hate climbing and I'm afraid of heights so I'd like
>some advice before going ahead with an antenna project.

>
>I'd like to suspend both 30m and 40m dipoles from the same rope. They will
>be very close and parallel to each other - perhaps touching. Both are made
>from enameled magnet wire so there won't be any direct shorts. However, I'm
>concerned about the interaction between the two antennas.
>
>Any ideas, preferably from experience? I'd sure like to avoid climbing that
>tree if it won't work.
>
>Thanks and 73,
>
>Pat Byers, VE6AAN
>Lacombe, AB
>

Pat: I've had mixed results with parallel dipoles fed with a single feed line. I built one for 20 and 15 that worked great. I separated the the two antennas by about 2 inches using spreaders made from clothes pins and cable ties. I got a good match on both bands (even though I've seen articles saying that this won't work because 20 and 15 are not harmonically related). One good idea I came across: On the lower dipole, let the last few inches of the end of the antenna hang a bit further away from the main supporting dipole. That's the high voltage point and you want to minimize capacitive coupling.

I recently tried a 40-30-20 arrangement, with dismal results. Tuned up fine on 40, but not very well on 30 or 20. My Palomar noise bridge showed the antennas to be resonant at the desired frequencies, but SWR was near 3:1. Note: With this model the antennas were much closer together than they were with the 20-15 device mentioned above. That might have contributed to my woes.

Good luck. Get a slingshot and some appropriately sized fishing weights. Shoot in the early hours of the morning so as to avoid hitting innocent bystanders. >

73 de N2CQR

Bill Meara, Falls Church, Virginia

wmeara@erols.com G-QRP #7965

<http://www.mindspring.com/~johnmb/billm.htm>

http://www.homeusers.prestel.co.uk/g3ycc/n2cqr_1.htm

Date: Wed, 26 Aug 1998 02:56:10 -0700

From: "Radman" <radman@best.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [18450] Question on: W9GR DSPII Filter

Message-ID: <199808260953.CAA27039@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Does anyone have experience with the
"W9GR DSPII Filter ?"
I happened to surf by Ramsey
Electronics tonite and they're blowing
them out for \$75 for the kit -- no
enclosure. (Originally \$200, I think.)

They're also blowing out the BayPac
Portable Packet Modem
for \$39.95 ... attaches to the serial
port on your PC.

URL: <http://www.ramseyelectronics.com/>
1-800-446-2295

Thanks in advance for wisdom on the
DSP,

72 - Conrad Weiss - NN6CW

Date: Wed, 26 Aug 1998 12:11:45 +0200
From: Paolo Sassoli <Paolo.Sassoli@italtel.it>
To: "Qrp-l (per messaggi)" <qrp-l@Lehigh.EDU>
Subject: [18451] Norcal 20
Message-ID: <35E3DF60.347FBDA@ii1sh01.settimo.italtel.it>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi to all,

I'm just back from my holiday (sigh!), and would like
to know how the collecting of Norcal 20 orders is going;
I mean, I could be interested in getting one but know that the
deadline is 500 kits sold.
Is it still available or all are gone?
Can anyone send me some info (also on how to make the order in USA,
not EUROPE)?

Thanks to all.

72 de Paolo IK2LNH

Date: Wed, 26 Aug 1998 07:15:07 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [18452] DK3 GROUP BUY 8/26/98
Message-ID: <Pine.LNX.3.93.980826062451.369A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

I'm posting this to the list since some folks have changed addresses and I don't want to miss anyone. Sorry for being "gone" for so long, but like AB7TT, work and travel for work, have been chewing up 100+ hours, seven days a week.

I have heard nothing from W6AAQ since his letter of 7/14 when he said he would try to get six more out "shortly". It's been a month and a half since that letter, and almost six months since I started this group buy. In my estimation it couldn't have gone more poorly than it has. For that, I apologize. To date, there were 5 antenna shipped in mid-April, and that's it. I haven't seen one since.

I will get one last letter off to Don today, and based on his response I'll either hang in there another month, or cancel the buy and return checks to those that sent them. It will be at least 7 to 10 days until I hear from Don via USPO mail. I have also heard reports of "new" DK3's on the air, but so far all the reports have been second hand. So, I don't know if Don is building them, or if they are part of some large backlog that I don't know about.

If I do end up cancelling, and Don still seems to be building DK3's, I'll include a list of all the participants (with contact info) with the returned checks. That way, perhaps 10 or 12 orders of five, from all over the country, rather than one order for 60 from me, will fare better.

The shipping order list (for checks I have) is as follows.

1. K10J	shipped	11. K8EAA	21. NT1R
2. KQ4AL	shipped	12. WB2DHK	22. W5HNS
3. WV3J	shipped	13. W1ME	23. W5HIR

4. KB6NAE shipped	14. W6JDB	24. KB2VTN
5. AB5PC shipped	15. AL7FS	25. K50I
6. N5DUQ	16. KJ7NR	26. W5RH/VK3CWB
7. N6MM	17. WA4HHP	27. K5HGB
8. N10DL	18. N1ZSW	28. KU7Y
9. W4FPJ	19. WA2YGY	29. KL0MR
10. N4EO	20. W0DC	

Unpaid orders (*NOT IN SHIPPING ORDER*)

K5FO K8IQY	KG2NO	N3BJ KQ8RP	KS4L KB3BXV	KE6PUF
WB0WQS	KB0PTE	WCKC WA6PBY	KB0REI	N2MS W6TOY
N2TO KE6VHM	AA2YS	KB0ROB	KD3FG	KD8G K1MIJ
WA2YGY	KB6VIR	N3XRV		N9WR

If you are listed, but cancelled, don't worry I have that in other notes.
 If you *are not* listed, but ordered, please get a hold of me and let me know, also if I screwed up your call, drop me a line. I'll try to get back to you quicker than I have so far.

Chris Cartwright - N3XRV
 10123 Maple Leaf Drive
 Gaithersburg, MD 20879
 301-990-0735

Thanks all for your patience and perserverence <sp?> and hopefully it will all be over soon.... And so will work :) 72

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Wed, 26 Aug 1998 07:59:45 -0400
 From: Scott Howell <whowell@hq.nasa.gov>
 To: qrp-l@Lehigh.EDU
 Cc: kenwood@qth.net
 Subject: [18453] please help if possible on antenna problem
 Message-ID: <3.0.5.32.19980826075945.007eb3d0@mail.hq.nasa.gov>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

well being my ts570 will operate at 5 watts I guess it can fit in here<grin>. I am having a rather odd problem that I thought I would share

with the Qrp and Kenwood reflectors in hope a solution can be found.
I just got my 570 back and it had the 'G' upgrade which seems to have added some nice features for cw operation. However, a very nasty problem has shown up and I don't know if this has anything to do with the upgrade or not. I have a 40m hamstick dipole in my attic. I have used that antenna for quite a while now on both my Kenwood 570 and Sierra. I hooked the 570 up lastnight to play a bit and found that when I tuned over to 7.115 where I like to operate, I could not get the tuner in the 570 to tune my dipole. I tried other freqs and found (yes shame on me, but don't tell please) I couldn't tune the antenna on any freq above 7.038. I then connected the Sierra and using my LDG qrp tuner, able to tune the dipole on 7.115 or wherever I chose. I went into the attic to see if the antenna had fallen or some other situation changed that might affect things. A big no!
Now previous to the upgrade of the 570, I had not one problem tuning the antenna. Does anyone have any clues at all. I was tempted to just go ahead and use the 570 anyway, but figured best not until I knew what was happening. Now I will say one thing.
Seems that prior to the upgrade if the tuner couldn't make a match it would continue clicking and clacking, but begin beeping to say "hey can't do this" now it just clicks once and sends "swr" in cw.
Really annoyed about this. What else does this 'G' upgrade change that maybe wasn't made clear.
tnx to any and all.

72/73 de n3byy

Date: Wed, 26 Aug 1998 08:44:39 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Pat Byers <pbyers@rttinc.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18454] Re: Close proximity dipoles
Message-ID: <Pine.GS0.3.96.980826084127.29824A-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Close proximity dipoles will work, but should be kept separated by at least a few inches, and preferable by about a foot. You can make cheap spacers out of light 1/2" CPVC (the lightest of the PVC family). Tune the higher frequency first, as it will have more of an effect upon the lower frequency dipole than the other way around.

Of course, you can also connect these dipoles to the same center insulator and use one feedline. With careful pruning, none of the performance characteristics will differ significantly from having the two on separate feedlines.

-73-

LB, W4RNL

Date: Wed, 26 Aug 1998 08:52:23 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Bob Patten <n4bp@bc.seflin.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [18455] Re: Infrared Key
Message-ID: <Pine.GS0.3.96.980826084914.29824B-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Wish I had more specific info, but this was done years ago. I built a
> paddle long ago that used body capacitance to close transistor switches.
> As I recall, it was difficult for me to send good code on it though. It
> may have been from a QST article, but have no clue about the year...

When I was experimenting with the IR key and keyer, I also looked into proximity sensors and switches and tried about a half dozen circuits. Although they worked for normal switching purposes--turning things on and off--their sensitivity proved to be too variable for good keying. One almost has to use an isolated system and surroundings to get consistency. Newer circuits might have evolved since then, but I found the IR system much more reliable.

-73-

LB, W4RNL

Date: Wed, 26 Aug 1998 09:06:04 -0300
From: "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [18456] RE: Close proximity dipoles and verticals !
Message-ID: <01bdd0e9\$e6423d20\$07199e03@inforhc>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

This is a very interesting subject...

One feedline... maybe two, or even three bands... perhaps four bands !!!

BUT... you do need to follow certain important rules of the antenna game...

There is a well known fact about mutual coupling, there is even one patent devoted to close coupled resonator antennas...

Which is only the nice words for an antenna for the lower frequency fed with energy for all the frequencies involved, and then having one, two or even five more antennas in close proximity so that they will radiate at their resonant frequency. In other words, you feed the 40 meter dipole, and install in close proximity say a 30 meter, and a 20 meter dipole... They are both full length half wave dipoles, but no feedline is connected to them, that means that they are not interrupted by a center insulator.

The "trick" is that at a certain specific separation from the "fed" dipole, the coupled resonator will be so well "coupled" that it will present an appropriate impedance match..

You can avoid the calculations, by just feeding the two or three dipoles from the same feedline, but then you will have to follow certain minimum separation rules, and take into account mutual impedance etc... That is that you must start tuning up the system in a certain sequence, because everything inter-acts !!!

Here is what I here at C02KK...

1. Install a 20 meter band dipole made of no 14 or 12 bare copper wire... use 50 ohm line and a 1 to 1 balun...
2. After this antenna is working OK, something you can tell by the less than 1.5 to 1 SWR at the center of the band.... then
3. Install a 15 meter dipole, connected in pararell with the 20 meter antenna, but separated from it no less than 6 inches or 15 centimeters, using appropriate spreaders...
4. Resonate the 15 meter dipole until less than 1.5 to 1 SWR at 21.15 mHz (I seldom move higher than 21.325 so don't need the high frequency end)
5. Check the 20 meter antenna... if need be, you can add a little length or cut a little length, depending on what happens to the SWR on 20 meters. With well separated antenna, at 6 inches apart, interaction is almost insignificant...
7. IF need be, I may add a 12 or 10 meter band antenna, following the same procedure...
8. In actual practice , systems with 3 pararell fed dipole prove to be the limit for something that can be adjusted

9. Try to have the antenna at least 0.15 wavelength above ground for the lower frequency in use... 0.25 wavelength is much better !!!

Hope this helps... you can of course experiment with the close coupled resonator approach... it certainly works, and you save soldering three heavy no 14 copper wires together to the center insulator and the balun !!!

Same process applies for 0.24 wavelength high verticals, except ground system variations make things a little bit more difficult ...

If you really want to save time, and coax... just install one of my broadband center fed dipoles using 400 ohm homebrew pararell open wire feedline... if you are rich and have a lot of coax, then use my favorite shielded pararell line... two coax cables , in which you connect the center conductors to each side of the dipole, tie the braids at the antenna end together and leave it floating... no connection. Then at the transmitter end , usually at the antenna tuner, you connect the two center conductors to a 4 to 1 balun, tie the shields together and connect the shields to the station ground system via a 100 ohm 2 watt resistor... If you use 75 ohm coax, you will be the proud owner of a 150 ohm shielded pararell transmission line.... quite a nice line indeed !

This "open wire, but not open wire line" can go into the shack just like another coax cable... but it will behave like a symmetrical transmission line ... Expensive... perhaps, at least more expensive than the standard open wire line, but very effective and shielded... dipoles like it, as it is certainly balanced...Also find no TVI with it, even in urban areas... which is not the case with the true open wire when slight unbalances due to close proximity of objects may make the line radiate

Arnie Coro
C02KK

e-mail inforhc@mail.infocom.etecsa.cu

Date: Wed, 26 Aug 1998 09:15:01 EDT
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Subject: [18457] QRP, running dogs, Pogo
Message-ID: <28a46e19.35e40a56@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Someone asked me again. This time it was at the Gainesville, Texas hamfest: "How can you call it QRP when you have a 5-element Yagi at 100 feet? "Well," I said, "I don't know." "I am just frustrated as you at the inability of so many to understand Effective Radiated Power. (ERP)." Of course I lied.

I understand it perfectly. The same thing that drives the sale of Henry 2K whatever amps drives it. Meglomania. Just listen to Richard Arland, who writes those booklets.

"I want to have a LOUD QRP signal. I want to run with the big dogs and not sit on the porch." Arland, Richard H. K7SZ, QRP-L 7-7-97 22:46 EDT.

Friends, Pogo was right. We have met the enemy and he is us.

72,3 de ab5L who finds it no more difficult to calculate ERP than output power (if we wanted a simple world, we'd use input power so a newcomer could calculate it with a \$10.95 Radio Shack VOM.)

Date: Wed, 26 Aug 1998 10:26:00 -0400
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: "'QRP Email List'" <qrp-l@Lehigh.EDU>
Subject: [18458] Re: Infrared key
Message-ID: <m0zBfVI-000ZhnC@mgate.arrl.org>

Hi Bob,

Back in Jul 82 QST, there was a project called the K6BSU Touch Keyer. It used LM311 comparators for detection of the touching and TTL digital circuits for the element timing. It was not the first such project, though - in Oct 69, the Gimmicks and Gadgets column offered the Touch To Talk project using hollow state (an 0A4G) and a relay to substitute in place of a straight key.

I have thought about building up one of L. B.'s infrared versions (Feb 92 for the straight key, Jul 93 for the keyer), but I doubt my woodworking skills would be up to it.

How's this for a suggestion: Metal finger pieces (thimbles, perhaps?)

with small wires attached, used in conjunction with a flat metal surface (grounded) to tap out the code? You'd need a couple of debounce circuits, of course, but it seems the simplest way to go (so why haven't I done it yet? :-)

72, Michael Tracy, KC1SX

Date: Wed, 26 Aug 1998 14:02:14 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [18459] Fwd: BUBBA Sprint: NQ7RP Fox Hunt
Message-ID: <Version.32.19980825224845.010b6e70@mail.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Tue, 25 Aug 1998 13:18:18 -0700 (MST)
>Reply-To: vole@primenet.com
>Sender: owner-qrp-l@Lehigh.EDU
>From: Joe Gervais <vole@primenet.com>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: BUBBA Sprint: NQ7RP Fox Hunt
>
>For full BUBBA info, please see ScQRPion Bob (KI7MN)'s
>website at <www.dancris.com/~ki7mn> or if you lack web
>access, post a request to QRP-L and I'll get wind of
>it through my clandestine network of marmot agents.
>

If you don't have web access, and want to get the rules, you can also send a message to w3mail@gmd.de, no subject, and the following in the body:

```
get -t http://www.dancris.com/~ki7mn/bubba98.htm
```

You can do this with any web page you want to 'see' - send get (URL), and you will get an e-mail in return with the contents of the page on it.

For those that can access the web, you might bookmark <http://w3gate.gmd.de> and check this out.

Date: Wed, 26 Aug 1998 08:57:10 -0500
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-l@Lehigh.EDU

Subject: [18460] Re: HF Rigs - Tale of Woe de AL7FS
Message-ID: <3.0.3.32.19980826085710.00b9686c@oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:44 PM 8/25/98 -0800, you wrote:

>Greetings from Alaska,

>

>Mine is a tale of woe. Here I am trying to sell down my HF radio
>collection to a level that is more reasonable (had more than 12 rigs)
>and I just hit a big snag.

Jim: If you EVER intend to sell one of your rigs, you simply MUST resist the temptation to fire it up, just for "checkout". I currently have 7 fine old Ten Tec rigs, and occassionally go thru the same scenario you are describing. I decide, I just gotta clear out some of these rigs, pick one or more to sell, fire it up, "just to be sure its operating as advertised", and its "KATY BAR THE DOOR". I promptly wonder, "now what in the world would ever make me thing I even MIGHT wanna sell this fine rig". Thats the end of the selling spree for this session. hi. Luck with your project of thinnin the rigs out. "72"

J. W. (Dub) Thornton WA5YFY
Minco, Okla.

Date: Wed, 26 Aug 1998 10:42:52 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [18461] Re: Copying Code
Message-ID: <38573.owen@piper.eeel.nist.gov>

In message Wed, 26 Aug 1998 00:17:57 +0100,
wd3p@juno.com (Larry Cahoon) writes:

>

> On Tue, 25 Aug 1998 16:37:26 -0700 (PDT) Danh Le <dql@slip.net> writes:

>

>

>>I use the baby monitor (one of the advantage of having small kids!

>>

Another thought even though I haven't tried it---yet.
How many have an unused phone patch AND an old cordless phone. Connect the PP to the rig and plug the cordless phone into the patch. Then everywhere

you go you can listen on the cordless phone. On sideband you could use VOX and transmitt with the phone. And of course the cordless phone is QRP.
72 Jim K4CGY qrp-l #72

Date: Wed, 26 Aug 1998 09:57:27 -0500
From: Bill Schiller <schiller@cherokee.nsuok.edu>
To: qrp-l@Lehigh.EDU
Subject: [18462] FS QRP++
Message-ID: <35E42257.997AB8D2@cherokee.nsuok.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've lowered the price on the QRP++ to \$375 and I'll pay shipping to lower 48 states. Its in excellent condition electrically and cosmetically. It's a factory upgrade to ++ status, the s/n is 377.
Bill Schiller KJ5CI

Date: Wed, 26 Aug 1998 10:41:05 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@Lehigh.EDU
Cc: kenwood@qth.net
Subject: [18463] Kenwood ts570 tuner
Message-ID: <3.0.5.32.19980826104105.007f89b0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ok, got really curious after receiving a couple of messages from folk on my tuner issue. WEll first let me say that the folk at Kenwood SErvice Center East are just the greatest folk to deal withh. Had a great lengthy conversation with a gent there who gave me the poop on my problem. Seems and well let me also admitt that I really do have a lot to learn about antena systems. I found that like most internal tuners, they handle small matches and generally won't deal with more than a 2.5 or 3 to 1 swr. In the 570D version the tuner would tune the antena at ten watts and then you start cranking 100 in the voltages get really wild and things tend to blow. WEll luckily for me I never ran the rig more than 25 watts. In any case they simply won't allow the tuner to tune anything at all if the match is way out there.
Also, a little plug for the 570. Man the break-in is unreal. You can hear

the dits and dash between whatever your sending. Wow! the 'G' may have been worth it afterall.

So, one thing is I need to find an accessible swr meter because without such a unit I'll have to drop cash on a tuner that doesn't care what it sees. I really hate to do that, but if I am I suspect the only tuner easy for me to use would be the LDG qro tuner. I don't know of any other automatic tuners. So, that or I'll have to trash my current antana and work up something better or find someone who has the time and the meter to adjust the hamstick dipole so it will work.

So, that's the deal. WEll guess in the end although it blew my mind, it is a saving grace. Now to get on with seriously learning inductance, capacidence, and antenna systems.

thanks to all that responded with advice etc.

Date: Wed, 26 Aug 1998 10:00:41 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@Lehigh.EDU>
Subject: [18464] Re. Labor Day
Message-ID: <02d901bdd102\$6c3fc420\$a10a5e2c@groucho>

The meeting is scheduled for the 5th as far as I know. I wasn't at the last meeting but I think the issue may have been raised. I'd just as soon have the meeting the 5th. Sure, we might miss a few, but we might pickup some outstate members in town for the State Fair.

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Wed, 26 Aug 1998 10:16:22 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [18465] How Do "U" Call It QRP
Message-ID: <199808261516.KAA03141@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hI gang:

Speaking for myself

I call it qrp when the power level is 5 watts or less output from the xmtr.
(or whatever the agreed limit is)

I think it is "Great qrp" when a person can use a radio they built themselves, whether from "scratch" or kit...

I also think it is rather silly to spend time, money, effort, talent to make or buy an excellent radio only to ruin it's effectiveness with an ineffective antenna... if others can hear u reasonably well they will chat with you... if they can't, few will go through the trouble to pull u out...

With an effective antenna, 5 watts can get u most anywhere most of the time... and get u there with a "readable" signal...

To mandate the use of an ineffective antenna connected to ur qrp radio to qualify as "qrp" is something I do not understand... As this DESTROYS the potential effectiveness of "ur output power level"

One milliwatt, five watts, 100 watts, all levels of power effectiveness are limited by the "ANTENNA" (and of course band conditions)...

qrp "IS NOT" having to have a signal that's in the noise level...

qrp "DOES REQUIRE" the use of the "best" antenna one can muster under their circumstances...

How do I claim qrp with a good gain antenna... by stating the "fact", qrp power levels are effective when connected to a decent antenna... One does not need kilowatts to have readability 5 and four qsos. just a good antenna...

joel, in maine, having many, many readability 5&4 qsos at 4 watts ssb & cw
WA5CVM

Joel Denison

PO BOX 542

3-element Wire/Rope yagi for 40mtrs & 20mtrs & 30mtrs

Strong, Maine 04983

Gentle Lady R C sailplane

jdenison@morelr.com

Date: Wed, 26 Aug 1998 08:18:43 -0700

From: "Bill Todd" <bill@willapabay.org>

To: <nwq-1@scn.org>

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [18466] WWV Report 15:19 UTC

Message-ID: <001301bdd104\$d1085320\$2c4ffbce@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Wow -

Paul Harden was right about the storm -

WWV just reported that the Solar Flux is at 122, and that the A Index is at 9.

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Wed, 26 Aug 1998 10:37:28
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [18467] 'nother crazy paddle idea
Message-ID: <3.0.3.16.19980826103728.2ccf33f2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

How about a strain gauge paddle? Would be no moving parts, just a strain gauge glued to a flat metal bar. Push on it one way, dots, push the other way, dashes. Actual movement of the bar would be on the order of thousandths of an inch.

Too bad strain gauge elements are hard to get and expensive. Too bad I didn't think of this years ago when I worked for a small outfit that made pressure transducers and instrumentation.

Brain wave helmet, just think dots and dashes! (okay, were really getting crazy)

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 26 Aug 98 10:09:49 EDT
From: jeverhar@cse.1-3com.com
To: mtracy@arrl.org
Cc: qrp-1@Lehigh.EDU

Subject: [18468] Re: Infrared key
Message-ID: <9808261409.AA00602@train11.cse.1-3com.com>

Gang,

Along the lines of touch keyers...

There was thread on this topic several years ago on qrp-l. My comments on the subject of "touch Keyers" was extracted and reproduced in Mike C's Technical Topics column in QRP Quarterly. In short, most touch keyers rely on:

- a.) picking up 60 Hz hum when a high-impedance amplifier is touched by a human finger (although I suppose an ape finger would work just as well)
- b.) detecting a finger touch by having the finger bridge a fine gap between conductors on the paddle surface.

My conclusion was that both depend too much on the surroundings (ie humidity, presence of RF, presence or lack thereof of ac fields) to be repeatable.

On the other hand there *are* some true capacitive designs based on the fact that a finger touch will add capacitance to a metal contact on a paddle. This approach is much less subject to environmental and skin resistance variations.

Hmmm, I smell another project coming...

The optical approach is elegant but my shop skills are inadequate to do a proper job. :-(

72/73,

Joe E., N2CX

>
> Hi Bob,
> Back in Jul 82 QST, there was a project called the K6BSU Touch
> Keyer. It used LM311 comparators for detection of the touching and TTL
> digital circuits for the element timing. It was not the first such
> project, though - in Oct 69, the Gimmicks and Gadgets column offered the
> Touch To Talk project using hollow state (an 0A4G) and a relay to
> substitute in place of a straight key.

<SNIP>

> How's this for a suggestion: Metal finger pieces (thimbles, perhaps?)
> with small wires attached, used in conjunction with a flat metal surface
> (grounded) to tap out the code? You'd need a couple of debounce
> circuits, of course, but it seems the simplest way to go (so why haven't

> I done it yet? :-)
>
> 72, Michael Tracy, KC1SX
>
>

Date: Wed, 26 Aug 1998 11:47:00 EDT
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [18469] 28 Mhz beacons/NCDXF Info
Message-ID: <19980826.153910.8151.5.n4so@juno.com>

NCDXF International Beacon Network
28.200 1500-1530z
ZS6DN South Africa s-0 to s-1 with rapid fading.
1522z all power levels- 100, 10, 1 and .1 watt coming thru.
South Africa frequently has a path at roughly 1500z with
no other signals on the air around 28.000 and upwards in the CW portion.
NCDXF/IARU International Beacon Network

14.100 18.110 21.150 24.930 28.200

For NCDXF schedules
NCDXF Webmaster
e-mail: dieven@msn.com
From: "Dick Dievendorff" <dieven@msn.com>
Date: Tue, 25 Aug 1998 21:25:45 -0700
Subject: Re: NCDXF
I am the webmaster for the NCDXF site,
<http://www.ncdxf.org>

The exact web page for the NCDXF beacon schedule has changed, and may
change
again. I would prefer that users of the web site come through the main
page, <http://www.ncdxf.org>, rather than a direct URL which might change
as
we reorganize the site.
Dick, K6KR
webmaster@ncdxf.org

Ken
N4SO@juno.com
Mobile, AL

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 26 Aug 1998 10:46 -0600
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
To: "Pat Byers" <pbyers@rttinc.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [18470] RE: Close proximity dipoles
Message-ID: <8F3B013B@optelinc.com>

Pat,

I'm assuming that when you say "... suspend both dipoles from the same rope..." you are talking about just ONE END of a conventional, horizontal-ish dipole.

First of all, you'll find that the enamel on your magnet wire will virtually disappear in a very short time span and the two dipoles will indeed short together, thus rendering a 40M dipole (since the shorter 30M dipole will electrically "disappear")

Secondly, you'll find that magnet wire is usually too soft for use in reliable antenna structures; it stretches like crazy, and more often than not, B-R-E-A-K-S!

The timing of the failure is unpredictable, but I can assure you it will happen just as you break through the pileup to work that "rare one"!

There are a couple of alternatives:

- a. Consider a single dipole element, cut for 40M, and install traps for 30M. That way, you'll only need one "set" of wires, and you can use a single feedline (coax or ladder line) for both bands -- automatic switching, by the way, 'cause of the traps in each leg.
- b. Construct the longest dipole element (40M) and immediately beneath it, support the 30M element using small-diameter PVC pipe sections to keep the 30M wire separated from the 40M wire by say, about an inch. "The ol' multi-band dipole trick" as described in nearly every amateur radio handbook (you DO have a "Handbook" don't you?).

PVC "spacers" can be easily made by drilling holes at the ends of each short piece of pipe just large enough to pass the antenna wire diameter used for each band (40M and 30M). String these spacers on each half of the 40M element, spaced out along each element about every four or five feet. As you place the first spacers on the 40M element, you can ALSO string the 30M element wires through the holes at the OTHER end of each spacer.

Voila! A dual-band antenna that works great!

Karl Kanalz - W8TIF/5
McKinney, Texas
(The Hub of The Universe!)

From: Pat Byers
To: Low Power Amateur Radio Discussion
Subject: Close proximity dipoles
Date: Tuesday, August 25, 1998 7:28PM

Hi all,

I like to tinker but I hate climbing and I'm afraid of heights so I'd like some advice before going ahead with an antenna project.

I'd like to suspend both 30m and 40m dipoles from the same rope. They will be very close and parallel to each other - perhaps touching. Both are made from enameled magnet wire so there won't be any direct shorts. However, I'm concerned about the interaction between the two antennas.

Any ideas, preferably from experience? I'd sure like to avoid climbing that tree if it won't work.

Thanks and 73,

Pat Byers, VE6AAN
Lacombe, AB

Date: Wed, 26 Aug 1998 08:55:51 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [18471] JE1ZDX last nite anyone... ?
Message-ID: <199808261552.IAA05503@proxy3.ba.best.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Did anyone work Eric (WA6HHQ) and the
JA - K2 team last nite?
I was monitoring 7.030, 7.040, 10.105,
and 14.060 (all +/- a couple).

I copied a lot of QSOs but didn't hear
Eric in there.

Anyone?,

72 - Conrad Weiss - NN6CW

Date: Wed, 26 Aug 1998 09:54:09 -0600
From: Niel Skousen <skousen@srv.net>
To: qrp-l@Lehigh.EDU
Subject: [18472] Re: Infrared key
Message-ID: <199808261554.JAA23387@srv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Joe et all

What about the 300kc cap.touch paddle published in QST in the late
70's/early 80's. I believe the author was W7EL or W7ZOI, and it was shortly
after Mt St. Helen's... I recall some allusion to 'dust proof'

Anyone build or use this one ??

I've been wondering could be integrated into a PIC (TouchTick *8-(, and
how much external hardware support would be required? It would seem to be
an ideal way to do a backpack keyer... Kitano style finger contacts on
etched on 15 mil pcb and glued to the outside of the SST...

oops here comes the boss, back to the salt mines...

Niel

>

>Hmmm, I smell another project coming...

>
>The optical approach is elegant but my shop skills are inadequate to do a
>proper job. :-(
>
>72/73,
>
>Joe E., N2CX
>

Date: Wed, 26 Aug 1998 10:54:52 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [18473] QSL BUROS:WHAT IS WAIT??
Message-ID: <000A7AD3.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Hi Folks,

Here's a non-QRP question, so delete now if not interested.

This is a question for you QSL vets out there who are familiar with using the bureaus out there.

In looking back over my logs, I've noticed that I still have unanswered cards that I'd sent out back in early 1996. I've used both the ARRL buro, as well as WF5E's service.

I never expected a 100% return rate on my QSL's, however I'm getting a bit disappointed at this poor rate.

More info:

- *Yes, I do have envelopes ready at my receiving buro.
- *Yes, all of these outstanding cards asked to send VIA BURO, not direct.
- * By my count, I'm waiting on some 75 cards - many which are really gems for me!

I know some of you have said this process is slow, but is

1-2+ years normal? Am I just being impatient?

I hear of some people getting cards every month. My return has only been 2 times a year (maybe) since 1994.

Any comments would be helpful. Thanks, gang!

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Wed, 26 Aug 1998 12:03:46 -0400
From: Scott Cranston <cranston@zk3.dec.com>
To: kkanalz@optelinc.com, qrp-l@Lehigh.EDU
Subject: [18474] RE: Close proximity dipoles
Message-ID: <199808261603.AA10221@alpha.zk3.dec.com>

The current QST has an article on making a 2 band dipole from ladder line. The intent of the article is a portable antenna.... and it 'may' not be rugged enough for perminate installation... like handling a windy ice storm!

Scott
KB1NW

Date: Wed, 26 Aug 1998 12:11:57 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: JOEL DENISON <jdenison@morelr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18475] Re: How Do "U" Call It QRP
Message-ID: <Pine.OSF.3.95.980826120115.13239A-1000000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Joel,

With all due respect, the subject has come up a million times and I think we all agree to disagree. Having fun is what matters.

How do *I* call it QRP? Log me in the camp that believes "true QRP" is

less than 5 watts into a non gain antenna. 5 watts (more or less) ERP as opposed to output power.

The argument goes, "Well, if you use a gain antenna system, why not just add an amplifier?" The answer is never any better than, "That's not QRP."

I just propagated a thread that I hope doesn't get the group in a tizzy :-)

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

Date: Wed, 26 Aug 1998 12:38:30 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [18476] Re: QRP, running dogs, Pogo
Message-ID: <35E43A06.5B65@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How do you calculate the gain of wire antennas over ground that isn't flat?

It would be great to look at a topo map and figure out the best place to put the wires, taking full advantage of both reflection and diffraction effects.

--Zack W1VT
10 GHz DX--Manchester VT to Camden ME 350 km Grid #16

Date: Wed, 26 Aug 1998 09:40:07 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Niel Skousen <skousen@srv.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18477] Re: Infrared key
Message-ID: <Pine.SOL.3.96.980826093646.16770C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Niel and all,

I built the QST touch paddle. Then added more transistors
to make it more sensitive.

Worked kinda OK but.....

I used PC board for the paddles. Next I had to put a piece
of PC board down as a "ground" for my hand to rest on. Often
I'd have to lick my fingers before it would work right!

Might be OK in the humid east, but in the arid west it just
never acted the same from day to day.

But when it worked, it was super! No movement!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 26 Aug 1998 11:38:46 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: vole@primenet.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [18478] Re: QTTF Results
Message-ID: <9EC00206793CD211B14300805FA74B3C03A0@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Joe

Thanks much for posting the QTTF results.

I noticed an interesting thing in the list. While Dwight, Dave and I

took 22nd place in the list, we were the only 1 watt station there. All the others were 3-5 watt stations.

So guess there being no 1w multiplier didn't hurt us all that badly, even without any border multipliers.

Really looking forward to Sept 19 for QRP Afield.

Thanks again for your work on the scores.

73, Bob N6WG

Date: Wed, 26 Aug 1998 13:04:50 -0400
From: Tom Cooper <cooper@gmpvt.com>
To: tentec@contesting.com, qrp-1@Lehigh.EDU
Subject: [18479] PC Radio RX-320 first impressions
Message-ID: <3.0.5.32.19980826130450.007c0430@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My RX-320 came yesterday and I've had a couple of hours to play with it since. Of course, the first thing I did was remove the top and bottom covers and see what is inside. The cabinet is divided into two compartments. On top is the RF board and below is the DSP board. Both of these boards are very well made with a bunch of surface mount stuff on one side and the thru-hole stuff on the other, over a ground plane. Without surface mount, this would be a MUCH bigger gadget. The construction quality is first rate and it feels strong, like a metal brick.

Unlike all the other T-T things I've owned, this one has no schematic or technical documentation. It really is a "black box" for listening. And listen it does! It is no match for the Corsair II on CW/SSB on 40M in the evening (not a surprise), but it is surprisingly good in heavy QRM and QRN. I think an RF gain control or an attenuator would be handy, but I got along without it. I would say that it is a better CW/SSB radio than an Argo 509 or Triton, so it is perfectly useable.

I bought it mostly as an AM/SWL radio, and it really is great at "program listening".

The DSP must kill all the heterodynes, because there were no whistles from nearby carriers, and the recovered audio is very clear. There is no speaker built into the unit, so I tried several speakers and headphones plugged into the headphone jack. Headphones need some series resistance (something <100 ohms, depending on the phones) to not be overpowered.

T-T expects most users to use the line-level output jack and a cable is included to connect this to the line-input jack on your soundcard or stereo. I tried this and it works fine, but I like the sound of the direct speaker better because my soundcard adds too much bass to everything.

The software is very easy to use and installed for me with no problems. The spectrum scope mutes the radio when it sweeps a range of frequencies, so you can't really see what you are hearing, but this and all the other features are done in software, so I expect improvements over time. T-T says that software updates will be available for download via their web page.

Overall, I think that T-T has done a wonderful job here, and I can see that I'm going to have a lot of fun with my new toy.

73,

Tom W1EAT

Date: Wed, 26 Aug 1998 13:02:25 -0400
From: DNT1@chrysler.com
To: qrp-1@Lehigh.EDU
Subject: [18480] HW-7
Message-ID: <8525666C.005D82D4.00@Ingodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Hi all! I'm looking for comments about the HW-7 & your experiences with it. What is a typical price for a really nice looking rig with no external mods? I have been talking with a fellow who has one he's thinking of getting rid of, said he has all of the original stuff that came with it & an extra rx front end that he built for it of his own design. Is this rig worth messing with for a first QRP rig? I've heard a lot about the 8 & 9, but very little on the 7. Thanks to all who are willing to share their experience with it & what to expect value-wise!

73,

Don T.
KD4RHH

Date: Wed, 26 Aug 1998 17:14:58 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18481] QRZ on-line Biographies.
Message-ID: <35E44292.2789@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellow low power enthusiasts,

I've just updated my biography on <http://www.qrz.com>
This is a great place to let others know who you are and
by adding some QRP information, help promote low power
operating.

Maybe someday I'll add a photo of me riding my 10 speed
with 40 meter half-wave helical and top-hat.

Of course I'd have to build that antenna first....
Or should I wear a Derby? Stetson? Ok, I'll put the
top-hat on the Antenna, but forget the Tails!

P.S. The updates to my Bio require email confirmation
so the old bio is still there for a bit...

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397

Date: Wed, 26 Aug 1998 10:21:37 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18482] Re: QRP, running dogs, Pogo
Message-ID: <Pine.SOL.3.96.980826101825.17338D-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow,

Run 5 watts?

Man, why would anyone want to run all that power? That's like adding an amp to a 2E2222A just to make your ego feel better!

Wouldn't a TRUE/REAL QRPer ONLY run zero watts into no antenna?

Now that's the only pure qrp there is....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 26 Aug 1998 13:39:58 EDT
From: kq0i@juno.com (Mark R Milburn)
To: qrp-l@Lehigh.EDU
Subject: [18483] Re: Fwd: BUBBA Sprint: NQ7RP Fox Hunt
Message-ID: <19980826.173800.7527.1.KQ0I@juno.com>

>>

>>For full BUBBA info, please see ScQRPion Bob (KI7MN)'s
>>website at <www.dancris.com/~ki7mn> or if you lack web
>>access, post a request to QRP-L and I'll get wind of
>>it through my clandestine network of marmot agents.

>>

>
>If you don't have web access, and want to get the rules, you can also
>send
>a message to w3mail@gmd.de, no subject, and the following in the body:
>
> get -t http://www.dancris.com/~ki7mn/bubba98.htm
>
>You can do this with any web page you want to 'see' - send get (URL),
>and
>you will get an e-mail in return with the contents of the page on it.
>
>For those that can access the web, you might bookmark
>http://w3gate.gmd.de
>and check this out.
>
>
Or if you just ask, some of us will be glad to send you what you asked
for.

72/73, Mark KQOI
Des Moines, Iowa

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 26 Aug 1998 13:41:18 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [18484] RE: QSL BUROS:WHAT IS WAIT??
Message-ID: <49279.owen@piper.eeel.nist.gov>

In message Wed, 26 Aug 1998 10:54:52 -0500,
kreinbd@ccgate.dl.nec.com (David Kreinberg) writes:

> still have unanswered cards that I'd sent out back
> in early 1996. I've used both the ARRL buro, as well
> as WF5E's service.
> I never expected a 100% return rate on my QSL's, however
> I'm getting a bit disappointed at this poor rate.
> I know some of you have said this process is slow, but is
> 1-2+ years normal? Am I just being impatient?
>

> I hear of some people getting cards every month. My return
> has only been 2 times a year (maybe) since 1994.

First I know nothing about the WF5E bureau.

The ARRL service is quite fine however. One to Two years is very good if you get them in that time. I am finding that I still receive QSL's from 1992 and occasionally earlier. Some countries are better than others but I don't expect to see them for at least 1 or maybe 2 years. The ones that get cards every month are the ones that send them out every month and have done it for at least 5 years..Just be patient and they WILL come, at least most of them.
72 Jim K4CGY

Date: Wed, 26 Aug 1998 10:48:08 -0700
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [18485] different keyers
Message-ID: <19980826.104808.12198.1.dave_epps@juno.com>

I/R- The last mouse I converted to a mouse key used i/r detectors (Dynapoint).

Shaft from the trackball turned a slotted wheel.
Finger-Key- Contacts on fingers are working great. With a tick I can go
cw /ped (pedestrian) almost undetectable
If you hear a Zombie beeping at Pacificon it might be me. Maybe a
flashing
light on my hat. (I used to be a signalman in the Navy)
"Glittery Wagon" just passed by. Could one of these laser pointers be
keyed
to send cw. Maybe we could have a qso from the ceiling.
Qrp has led me into "Wearing Earrings" . On my fingers with the
finger-keyer.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 26 Aug 1998 10:52:52 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@Lehigh.EDU>
Subject: [18486] NorCal 20 Progress

Message-ID: <01bdd11a\$59376780\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The final design of the NorCal 20 should be completed this week. Dave has been working very hard on the AGC and has it finished now. He will layout the new board in the next couple of days, then we will build 3 more prototypes. If there are no problems, we will be able to go to final board production. But, we are at a point where I can and have started to order some parts. Have you ever ordered 17000 toroids? There will be 14 in each unit, but we got some price breaks by ordering 5000 of certain values. I am curious as to how much 17000 toroids will weigh. Anybody have an idea? There are 6000 T37-2, 5000 T37-6, 5000 FT37-43 and 1200 T50-7's. Might be neat to see who can be the first to post to the list the total weight.

Also, I drove over to San Jose Sunday, and Dave designed and built a crystal test unit out of Solid State Design. It not only measures the frequency but also shows relative crystal activity. I have it figured that I have 41 more hours of matching crystals to go. Grin. Each rig has 7 crystals and we ordered 8500 in order to assure that we have enough to match them to 50 Hz. The process is as follows:

1. Insert crystal into crystal socket. (Made from a 3 pin sip strip, from an idea that I first saw used by Denis Englander.)
2. Observe relative activity of crystal. We have set the meter to show mid scale for high activity.
3. Let the Frequency Counter settle down for the same reading for about 5 - 10 seconds. Using the Heath 2410 counter that K5FO found for me at Dayton. If you guys see one of these at a flea market, grab it.
4. Read the frequency, and put the crystal in a bin marked in 50 Hertz increments, i.e.
000-050, 051-100, 101-150, etc.
5. When I stop for the night, I put the crystals in envelopes in groups of 7.

The process involves turning on the Frequency counter and letting it warm up for 1 hour before I start the process. Also, I will have crystals left over at each session as they don't always wind up in multiples of 7. These I retest when I start the next session. This way I know that all crystals are matched to the same conditions. Dave Meacham and Dave Fifield both assisted in the development of this testing method. I am just the monkee doing the work.

Ok, one final comment. School has started, and I am back at work. Please don't call for me during work hours, 7AM - 5 PM PDT. Monday - Friday.

72, Doug, KI6DS

Date: Wed, 26 Aug 1998 10:59:07 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-l@Lehigh.EDU
Subject: [18487] DK3 screwdriver for sale
Message-ID: <35E44CEB.6D2C@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I have a couple of DK3 screwdriver antennas and really only need/want one. The one I have for sale is a homebuilt one, not an original from Don AAQ. Condx is nice. Works fine. New plastic over-tube. All you need to put it into service is a Radio Shack stainless steel 102" whip. They are too long to ship and only cost \$11 or so, new. The whip goes on the top.

For those of you not familiar with the screwdriver antenna, it is a mobile antenna that has an electric screwdriver inside it at the base, which is used to force a center-loading coil up and down, thereby exposing more or less of the coil and hence, inductance. Thus, you can tune the antenna while driving for a dead flat swr on any frequency from 80 to 20 meters or from 40 to 10 meters, depending on whether you put a 102" whip on it or a shorter whip. You run wires to the cigarette lighter plug and send juice to the screwdriver motor, either forward or reverse polarity, to make tuning adjustments.

Asking \$125 plus shipping, or swap for some qrp goodie. Money order or cashier's check preferred, thankyou.

73 de Jim, W7LS in Duvall, WA 98019

Date: Wed, 26 Aug 1998 11:00:05 -0700
From: Allan Taylor K7GT <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [18488] QSL Service: WF5E
Message-ID: <35E44D25.13E4@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I only recently started using the WF5E service (see their web page at: <http://ns1.qsl.net/wf5e/>). They attempt to use available QSL path info and bulk-mail to managers. As I only started using them in February, the performance cannot yet be fairly assessed. They accept cards in blocks of 5 with \$1 per block for their service. I am sure they aren't making money on it. After reaching DXCC (40m CW) recently, I have cut way back on sending out SAEs with green stamps (\$1s) for almost all DX worked and instead am using WF5E some. QSLs for JAs, of course, go via ARRL QSL Forwarding Service, \$4 for a BIG stack! A primer on QSLing is available on Brian Short's page, K7ON. (<http://www.qsl.net/k7on/>)

--

73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: <http://www.qsl.net/k7gt/index.html>

Date: Wed, 26 Aug 1998 13:16:06 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [18489] RE: QSL BUROS:WHAT IS WAIT??
Message-ID: <19980826181610040.AAA301@muenzlerk>

I agree with Jim. Be patient. I've waited four or five years for some cards, many I even forgot about. I remember a card from Nigeria that took five years.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> James C. Owen, III
> Sent: Wednesday, August 26, 1998 1:41 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: QSL BUROS:WHAT IS WAIT??

> First I know nothing about the WF5E bureau.
> The ARRL service is quite fine however. One to Two years is
> very good if
> you get them in that time. I am finding that I still receive
> QSL's from 1992

> and occasionally earlier. Some countries are better than
> others but I don't
> expect to see them for at least 1 or maybe 2 years. The ones
> that get cards
> every month are the ones that send them out every month and
> have done it for
> at least 5 years..Just be patient and they WILL come, at
> least most of them.
> 72 Jim K4CGY
>
>

Date: Wed, 26 Aug 1998 12:49:13 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU
Subject: [18490] Re: 'nother crazy paddle idea
Message-ID: <199808261849.MAA22004@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Steve es Gang--

>>How about a strain gauge paddle?<<

I've looked into that idea myself and it is technically quite feasible, but them things ain't cheap. Least expensive approach is the actual guage matrix (probably pretty tricky to affix to the levers) and even those were running about \$14 each. The electronics get pretty complicated too when you need ms response times.

Omega (www.omega.com) is a source for a lot of the more esoteric engineering type stuff.

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com

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-

Date: Wed, 26 Aug 1998 11:55:31 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@Lehigh.EDU>
Subject: [18491] Joe Everhart, N2CX to visit Bay Area
Message-ID: <01bdd123\$196bd600\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Joe Everhart, N2CX will be coming to the bay area the second week of September and would like to meet QRPers in the area. (Obviously a ploy by the guys from the NJ Club to infiltrate us and steal our secrets for the Fox Hunts coming this fall.) So, lets plan on a qrp pizza party at the Round Table Pizza in the shopping center at the corner of Grant Road (237) and El Camino Real in Mountain View. You know, the usual place. Dutch treat for Pizza, beer or sodas. 6:30 til ??? By then Dave Fifield, Dave Meacham and Mike Gipe ought to have the latest prototype of the NC20's. I'll be there, (need a night off from crystal matching!! Grin.) bring along your latest qrp project, and maybe Joe will bring along something from NJ to share with us. Joe is the designer of the Rainbow Tuner, the Gusher series of portable antennas, and also is famous for his series of Joe's Quickies (no I'm not talking about his sex life, but his little hints that are real jewels that have appeared in the Idea Exchange of QQ.) Joe, you ought to get together with George Heron and publish your collection as a book. It would be a neat addition to my QRP library.

Joe says that he thinks Sept. 8th will work the best. Zombie badges checked. Be there or be square. Fun is the number 1 priority of the evening. Also, don't forget that we will be using the Enigma strategy that night to lead Joe astray on our strategy. 72, Doug, KI6DS

Date: Wed, 26 Aug 1998 15:25:12 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@Lehigh.EDU

Subject: [18492] QSL Burro
Message-ID: <18722@w4bkkx.ampr.org>

The Burro, she's very slow Mon!
I recently got a batch that includes QSO's from 1994.
One was a 'Gem' too!

de Scott / W4PJ Ft.Lauderdale, FL <EL96vd> (Pres. SFDXA)
----- 73 -----

Date: Wed, 26 Aug 1998 14:49:13 -0500
From: Kathi Hilton <kathi2@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [18493] SGC 2020 Upgrades
Message-ID: <3.0.32.19980826144900.007afe80@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

I know a while ago someone posted some upgrades for the SGC 2020. This is dated

26 August 1998 and I thought I would pass them along for those who own the SGC 2020.

News on the home front, I finally got sick of my HW-7 and bought a new SGC 2020.

My HW-7 has been in service since I got it with the only 'mod' being the much needed

RIT circuit; of which mine is remotely mounted so the HW-7 is factory original.

SGC says the wait as of 26 Aug 1998 is sixty days.... arrrrrrg!!!

Anyway, here's the upgrades...

IMPORTANT INFORMATION UPDATE FOR OPERATORS OF THE
SG-2020 HF SSB TRANSCEIVER AUGUST 1998

intermittent
1-A. SG-2020 Procedure for power on or
power supply 'glitch display' @ 66 MHz.

The following procedure will cure the intermittent
problem of the
SG-2020 "power on glitch" when the display reads 66
MHz.

(a) Power on radio
(b) Engage "channel scan" mode, by doing the
following:

- (a) depress and hold "CMD" button
- (b) depress "MEM" button
- (c) release "MEM" button
- (d) release "CMD" button

NOTE: It may take up to 2 minutes to re-establish the
memories, although it is usually accomplished in
just a few seconds.

(c) Exit "channel scan" by depressig any key.

2-A. SG-2020 Fuse

The SG-2020 has an internal, self-recovering, 5
amp
fuse. This fuse is not visible and it is mounted
under the LPA
PCB. The fuse will recover within a few seconds after
the short

in the radio has been removed.

resolved
with this latest
software version, 1.04.

displayed
by pushbutton Rev, depressed while powering up.

3. Location of pushbuttons:

one-hand
are
Users should
push
All four main pushbuttons: FAST, MEM, BW, REV
have been designed and located for convenient
operation. A few users have complained that two hands
required and that the push buttons are too close.
become familiar with the use of one hand, using these
buttons and the main tuning knob.

4. Headphone:

situation, we
Some headphones are very sensitive and provide an
outstanding low frequency response. In this
suggest use of a communications type headphone or an
attenuator between the speaker jack and the headphone.

5. AF Amplifier "Hiss"

No further "hiss" is noticeable in the presently produced units. In

some situations, we found marginal AF amplifiers

6. Fast Tuning

Fast tuning can be set up to 10 KHz to allow extremely fast

coverage through the whole bands (manual page 16, paragraph

10.7).

7. Receiver CW Operation

The SG-2020 was designed with high performance CW operation. To achieve best use of this unit under crowded

situations, the combination of the 3 functions designed for this

purpose will provide the user outstanding performance, as

follows:

(a) BW adjustment

(b) RF control

(c) If interfering signals are still present, use the passband tuning

for best rejection

Kathi, N0FKA

One nice thing about standards is there are so many to choose from.

Date: Wed, 26 Aug 1998 12:58:13 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@Lehigh.EDU
Subject: [18494] Electronic Hand Key
Message-ID: <199808261858.MAA15704@mailrelay.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I incorporated the Electronic Hand Key from ARRL QRP Classics in several of my backpack rigs. Like Monte I also had to often lick my finger tips to make the contact.

The contacts were in one case insulated brass bolt heads and in another two pieces of PCB on the top of the case.

They worked fine and resulted in just one less thing to bring/forget on a camping trip.

72, Bob KI0G

Date: Wed, 26 Aug 1998 16:11:52 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [18495] SG-2020 UPGRADE procedure/costs
Message-ID: <3.0.5.32.19980826161152.00ae7cf0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all... I mentioned the other day I didn't know about the upgrade costs/etc. I called yesterday, and here is the scoop:

You can buy the new software for \$89.00. SGC said it was NOT field-installable.

You can buy the 3-year extended warranty for \$139.00... it INCLUDES a free software upgrade.

2) Worked my first Africa (Yeah!) with 100 watts (Booooo!). He has a QSL manager in the U.S.A. Along with my sase, should I send some dollars? I really want this card.

Tnx 72 de ku4qo, Mike Maiorana, Palm Harbor, FL, USA, Earth

Date: Wed, 26 Aug 1998 16:12:16 -0400
From: mikemo@ibm.net
To: qrp <qrp-1@Lehigh.EDU>
Subject: [18497] Screwdriver antenna plans?
Message-ID: <35E46C20.6AB2@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Where does one obtain plans for a screwdriver antenna? I'd like to build one.

Tnx 72 de ku4qo, Mike Maiorana, Palm Harbor, FL, USA, Earth

Date: Wed, 26 Aug 1998 20:27:54 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [18498] RE:SG-2020
Message-ID: <35E46FCA.3EF1@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends, ten minutes now I've been fighting the mouse. But it still clicked on send message. I'm sorry but I just hafta say it.

I've got this bridge I can sell you.

--
72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397

Date: Wed, 26 Aug 1998 16:53:45 -0400
From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [18499] TAC Contest Prize
Message-ID: <000401bdd133\$af2b180\$2d5445c6@programs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

I want to send a big thanks out to Cameron, KT3A and the Eastern PA QRP Club for the First Place Prize in the QRPP category. I received a nice ARCI QRP Mug and mouse pad. Guess what, I really needed both of them!

Thanks guys!

73 & Good DX,
Ron de WB3AAL wb3aal@talon.net

vvv Eastern PA QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern PA QRP #1

Date: Wed, 26 Aug 1998 21:09:46 GMT
From: n4js@pobox.com (John Sielke)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [18500] Re: SG-2020 UPGRADE procedure/costs
Message-ID: <35ea7920.1086513@mail.snip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Am I the only one that thinks that it sounds like a ripoff when you have to buy an upgrade for a rig that has only been out for 2 months?

On Wed, 26 Aug 1998 16:11:52 -0400, you typed:

>Hello all... I mentioned the other day I didn't know about the upgrade
>costs/etc. I called yesterday, and here is the scoop:
>
>You can buy the new software for \$89.00. SGC said it was NOT

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      =20
      /\      /\      /\      /\      John L. Sielke n4js@pobox.com n4js@qsl.net
      ( N ) ( 4 ) ( J ) ( S )      NJ Grid:FM29LN http://www.qsl.net/n4js
      \_/_      \_/_      \_/_      \_/_      NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
      G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

```

I dug through the junk pile and found a digital bathroom scale which used a real strain gauge, mounted on a flat steel bar, about 3" long and 3/4" wide. I had to grind some matterial away from the side opposite the gauge, to make it more sensitive. Still got some work to do to make it practical, but intial results look promising.

"Melt Solder"

John -

When you consider the fact that EVEN Microsoft, not particularly know for giving anything away for free - not even Tech. Support, gives away free "Service Packs" which are maintenance releases to fix "bugs" in their software - I'd have to agree with you that the upgrade for the SG-2020 is indeed a ripoff...! Especially when you consider the Upgrade "fixes" a design/programming problem/ flaw SCG created on the drawing board...!

"Chirp?, I don't need no stinking chirp...! Instead of going for the \$89.00 upgrade or the \$139 extended maintenance agreement I wonder what SGC would say if you sent them the rig back and asked them to "make it right". I would think that the selling price of any product would have the R&D already built into it. If so, then what is this - "... oppps we forgot to include in the sales price anything for the contingency that our product may need "poor performance" enhancements?"

I'm not knocking the rig... after it's not the rig's fault. I wonder if SCG handles their commercial accounts the same way they do their ham customers? Iduhno.!

72 de Denny AD6EZ<><

Date: Wed, 26 Aug 1998 18:11:57 -0400
From: Ed Tanton <n4xy@att.net>
To: we6w@qsl.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [18503] RE:SG-2020
Message-ID: <3.0.5.32.19980826181157.00bad620@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

But Ed, for those of us who ALREADY HAVE a '2020 what choice is there? You can do two-well... three if you want to count 'doing nothing' -... two things: 1) You can upgrade the rig to no-chirp, plus whatever other small things were mentioned; or, 2) You can sell it.

Is fixing the chirp putting bad money after whatever/good/bad/??? For me, an emphatic NO. I liked the '2020 before I bought it; I liked it after I bought it; I don't like the chirp, but that is literally my only complaint.

So, otherwise, I STILL like it. The overload business is as much pilot error as anything 90% of the time. I have spent MANY hours coming to that conclusion, and as I have said over and over, it wasn't but \$625, and WITHOUT THE CHIRP, it is a heck of a rig for \$625. Obviously I have no intention of selling mine.

That leaves D00R #2: the Extended Warranty. Well... my personal feeling is that charging \$90 for an "upgrade" that simply corrects a deficiency or two-as opposed to upgrades that are a company's response to user suggestions-charging for this is outrageous. BUT what choice is there? Cut off my nose to spite my face and do nothing-keeping the chirp, or selling a rig I otherwise like very much? Hardly. Not get the 3 year warranty, but just the \$90 upgrade? MAYBE-but it seems to me that if SOMETHING were to happen during the 3 years, that \$40 would get made up for REAL quick!

Where this leaves us all, with regard to SGCs customer policies, should come as no surprise to any of us. I said weeks ago they seem to be in it for the money, and we QRPers are not "the money"... we are just a little MORE money.

So, yes I'll get my '2020 upgraded, and since I happen to have one that works VERY well, I will perforce hope and pray it returns in that condition... minus the chirp. That's worth the \$90 or \$140 to me. But I think none of us will forget the manner with which we have been forced into the extra expense (this makes it REALLY a ~\$750 rig doesn't it-still not bad... but certainly not up front either.) And I think that in the future we'll all weigh these factors before future SGC purchases.

73

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		QRP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Wed, 26 Aug 1998 17:19:10 EDT
From: borealis@juno.com (Philip G. Collier)
To: grp-l@Lehigh.EDU

Subject: [18504] Re: How Do "U" Call It QRP (Short Man's Complex?)
Message-ID: <19980826.171915.17694.0.borealis@juno.com>

On Wed, 26 Aug 1998 12:11:57 -0400 (EDT) "Paul R. Valko"
<prvalko@oakland.edu> writes:

>Log me in the camp that believes "true QRP" is less than 5 watts into a
non gain
>antenna.

There are a lot of ways to have fun in QRP. I get a big thrill out of
doing with low
power what most hams do with high power. To be heard, you must use
superior
skill but also an effective antenna...IMHO, the higher the ratio between
input power
and ERP should be maximized.

There are folks who ask, "you like high gain antennas and low power; why
not use
a low sensitivity receiver to match?" Well, I don't know. The Forrest
Gump in me
thinks it is "short man's complex."

We each find our own kind of satisfaction in this mode. Probably, at this
very minute is
someone tuning the bands who is quite sure that input power, ERP, and
operating
skills aren't the reason why. It is all about going into the field,
setting up some solar
panels, powering a station, and working the world with portability. Sun
to sparks, baby. Sun to sparks.

Well, maybe not THIS minute..the sun hath given light and takeneth away
with
mass ejection...

Regards,
Phil KG2DH

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 26 Aug 1998 16:28:23 -0500
From: nilsbull@juno.com (Nils R Young)
To: ku7y@dri.edu
Cc: qrp-1@Lehigh.EDU
Subject: [18505] Re: QRP, running dogs, Pogo
Message-ID: <19980826.162835.6526.4.nilsbull@juno.com>

Yo! Term deconstructors!

I run QRP like Ron sez: zero output into no antenna. Makes life easier & I get to finish reading another chapter in a book.

But sometimes I run QRO. Like 5 watts into the attic rafters. Or 90 watts into a 40m perforated V. Now that! That's QRO, bucko!

It's like bein' a little bit pregnant or almost virgin: it's all or nawthin!

So nawthin into nawthin = QRP. Sawmthin inta sawmthin = QRO.

So take my badger number. See if he cares!

73

Nils

. . . Does this mean that my Sierra is now QRO? Or that the Argosy with the high power switch kicked in is the same as a 4CX10000A into a 16 element Moon Raker? Or what? Tell me! What? What? WHAT? WATT? WATT U MEAN, YU SIKKI AMERIKAN!? YU NO MAKEE NO SENSE!

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 26 Aug 1998 16:29:42 -0500
From: Bill Schiller <schiller@cherokee.nsuok.edu>
To: qrp-1@Lehigh.EDU

Subject: [18506] QRP++ FS Addendum
Message-ID: <35E47E46.4A415BAB@cherokee.nsuok.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The QRP++ that I am selling DOES have a microphone, the one supplied by
Index Labs.
Bill KJ5CI

Date: Wed, 26 Aug 1998 18:43:39 EDT
From: DaveLeDuc@aol.com
To: qrp-1@Lehigh.EDU
Subject: [18507] FS: HW-9, PSA-9
Message-ID: <c83df622.35e48f9d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

This is absolutely the nicest HW-9 that I have seen or used. It is in close to mint condition physically and electrically. The only modification is that the jacks for key, speaker and headphone have been replaced with 1/4 inch phone jacks. They can be easily restored to original if you are a "purist". The WARC band kit has been installed and I have the manuals, pictorials etc. It also includes the PSA-9 powersupply. I really hate to sell it but have a chance to get an OMNI VI which is the radio I've wanted since I got back into the hobby 6 years ago. I will sell the HW9 and PSA9 for \$350 shipped. I know that is a little high for a HW9 but I feel this one warrents the price. I will take it back (you ship) and return your money if you feel it is not as I have described.

73 Dave K1EPJ

Date: Wed, 26 Aug 1998 16:01:03 -0500
From: nilsbull@juno.com (Nils R Young)
To: pharden@aoc.nrao.edu
Cc: qrp-1@Lehigh.EDU
Subject: [18508] Re: SUN went nuts/MAJOR STORM
Message-ID: <19980826.162835.6526.2.nilsbull@juno.com>

Yo! Solar-heads!

Paul said "Hey ... you guys wanted to experience the active sun!!!"

I was born in 1946. Eleven years later was the first International Geophysical Year (1957) & the same year Fidel drove the Mafia & Batista out of Cuba. Sometimes those coincidences are just too scary.

So, I was born in the year of an active sun, at a time when the physics of the sun was a lot less widely appreciated as it was eleven years later, from which we learned a lot about stuff that Paul & his buds are learning more now.

If I can survive bein' born in an active sun year & the history of this hemisphere can be changed eleven years later, a little aurora won't hurt us none. At least not philosophically. Physically, that might be a different deal.

Did you use hair spray today? How about that can of Rustoleum that you used on the tower? The bug bomb that you set off in the attic? The car you drove to work? The airconditioner at work that cooled you off? Or, if you're in the southern hemisphere, the furnace that might have kept you warm last night on the Altoplano? Eh?

Me? I love seein' auroras. It means that conditions will be really weird (which suits me fine, weird as I am) and I might be able to finish this chapter on the development of generative grammar in children post 2 years of age that I've been trying to decipher for many more moons than those numbers stations ladies on 30m have been chattering away.

Oscar Romeo Charlie Two . . . Oscar Romeo Charlie Two . . . Oscar Romeo Charlie Two . . . Oscar Romeo Charlie Two . . .

Quien sabe? I may have another QSO on the Sierra with someone in a high northern latitude whose signal sounds like it's being run through a trout stream.

Or I might figure out that chapter.

73

Nils

. . . now, where's that brochure on the Caribbean cruises and beach house rentals? I got a Sierra that needs sea trials.

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 26 Aug 1998 15:50:40 -0700
From: Pierre Constantineau <pierre@cmpe.ubc.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [18509] QST Spectrum Analyser questions
Message-ID: <35E49140.3822C05E@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi everyone,

About the August QST Spectrum Analyser...
Web details: <http://www.teleport.com/~w7zoi/SA.html>

Could I replace the final mixer, the crystal filter and the log detector
by a AD608 and a standard 10.7mhz filter?

Description of the chip:
<http://products.analog.com/products/info.asp?product=AD608>

This is a chip with an onboard mixer, preamp and log detector as well as a
limiter. Input, -95 to -15 dbm.

I could use a standard 10.7Mhz that I have in my junkbox. This would also
reduce the number of stages. I would not have a choice for a filter
but building it might be simpler. Integrating three boards together.
The Log board, 2nd LO and 2nd mixer board and 10mhz filter board all on one
board.

What about a single conversion scheme with a LO going from 10.7 up?

I know that this is an excellent design (for its cost). How about a progressive
design that could be built part by part and tested progressively. (similar to a
DC receiver becoming a heterodyne by adding stages)

Any good sources for building a stable homebrew wideband linear VCO?

Buying the minicircuit VCO over here is quite expensive. (mainly with the low canadian looney) I have lots of parts over here just waiting to be put to good use.

Building a DDS VFO is out of the question because of the digital part. I want to have a simple interface between a spectrum analyser and my oscope.

For the timebase, I could use the sawtooth output from my oscope. This simplifies a bit the design of the sweep genetator(does it?) I could use the timebase of my oscope to change the scan speed. Any ideas?

Any suggestions/ideas?
Thanks all

--

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Pierre Constantineau B.Eng      Email: pierre@cmpe.ubc.ca
M. Applied Sciences Candidate   Phone: (604) 822-2913
Flash Smelting Group           Fax: (604) 822-4750
Centre For Metallurgical       111-2355 East Mall
Process Engineering            Vancouver, BC, Canada
U. of British Columbia .ooo0   V6T 1Z4
http://noname.cmpe.ubc.ca ( )  Oooo. Amateur Radio: VE7JPC
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Date: Wed, 26 Aug 1998 22:53:43 +0000
From: Ed Loranger <we6w@qsl.net>
To: Ed Tanton <n4xy@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [18510] Re: SG-2020
Message-ID: <35E491F7.1D72@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Very nice, well worded and level-headed response Ed.
Thanks.

However, (You knew that was coming :) I believe the

standard warranty required by law should be used if possible. Kind of like California's Lemon Law for cars. There, I used the word. Lemon.

Then there's dealer service bulletins that they don't tell you about. Happened to me -- the car had an oil delivery problem which was to be fixed for free. This entailed complete oil-path parts replacement. Approx \$3,600.00 dollars -- paid for by the dealer. Did they seek me out - no, I had to show up with a problem -- and they tried to make me pay for it until I found the announcement in "Scientific American" magazine.

Where is SGC's customer service headed? Did you know about this problem when you bought it? What performance guarantees and product spec's did they justify their Base unit pricing. Did you buy what you paid for?

These are real questions. Now if the upgrade is a fancy digital modes capability that you desire -- that's a different situation.

I for one don't like putting air in a leaking tire every day.

With 4 kids to feed and a radio expenditure budget of about \$20.00 a year, I'd be on SGC's doorstep demanding they deliver the product I purchased.

I for one, do not like "The Emperors New Clothes."

That's enuf from me on this. Offline please. I just don't want anyone to draw the short stick on this one.

-Ed "72"

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397

End of QRP-L Digest 1195

